NBS

# Technical Note

No. 18-23

# QUARTERLY RADIO NOISE DATA
## June, July, August, 1964

W. Q. CRICHLOW, R. T. DISNEY,
AND M. A. JENKINS

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

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# NATIONAL BUREAU OF STANDARDS

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ISSUED November 20, 1965

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W. Q. Crichlow, R. T. Disney, and M. A. Jenkins
Institute for Telecommunication Sciences and Aeronomy*
Environmental Science Services Administration
Boulder, Colorado

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* *Formerly the Central Radio Propagation Laboratory of the National Bureau of Standards.*

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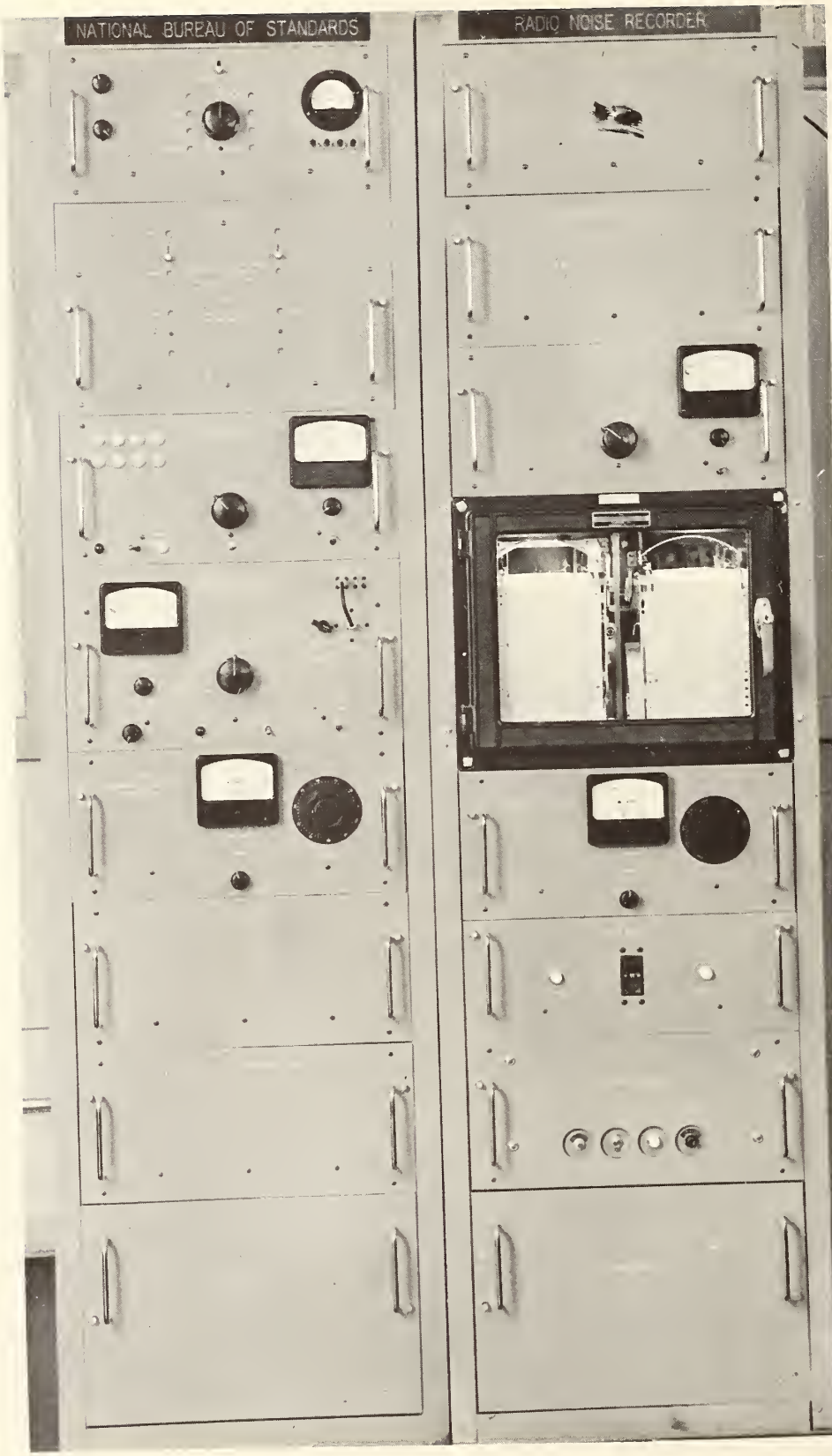
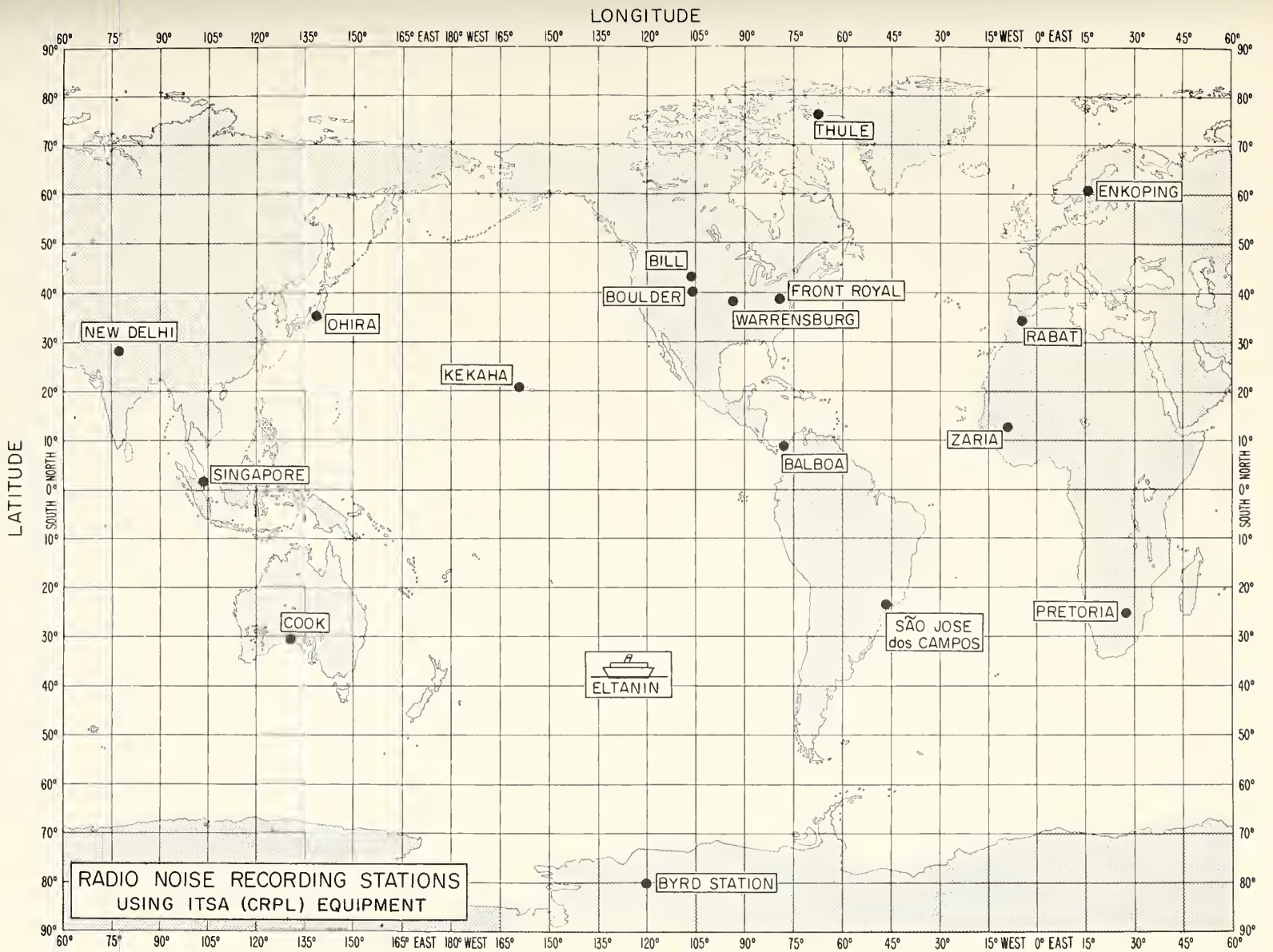
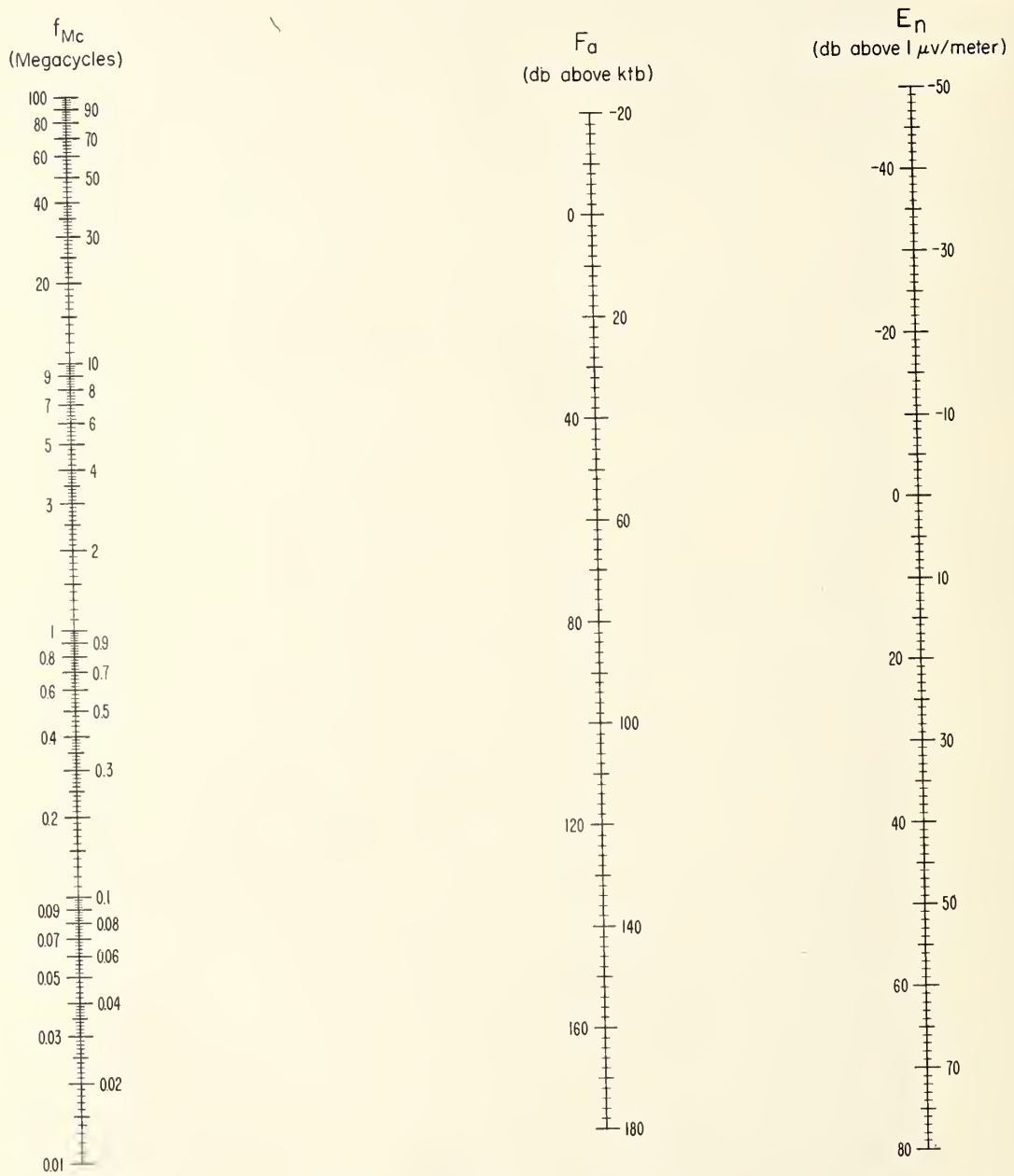
Radio Noise Recording Station




ARN-2 Atmospheric Radio Noise Recorder


LONGITUDE
LATITUDE
60° 75° 90° 105° 120° 135° 150° 165° EAST 180° WEST 165° 150° 135° 120° 105° 90° 75° 60° 45° 30° 15° WEST 0° EAST 15° 30° 45° 60°
90° 80° 70° 60° 50° 40° 30° 20° 10° SOUTH 0° NORTH 10° 20° 30° 40° 50° 60° 70° 80° 90°
THULE
ENKOPING
BILL
BOULDER
FRONT ROYAL
WARRENSBURG
OHIRA
NEW DELHI
RABAT
KEKAHA
ZARIA
BALBOA
SINGAPORE
COOK
ELTANIN
SÃO JOSE dos CAMPOS
PRETORIA
BYRD STATION
RADIO NOISE RECORDING STATIONS
USING ITSA (CRPL) EQUIPMENT

# NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY




$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

$F_a$ = Effective Antenna Noise Figure = External Noise Power Available from an Equivalent Short, Lossless, Vertical Antenna in db Above ktb.

$E_n$ = Equivalent Vertically Polarized Ground Wave R.M.S. Noise Field Strength in db Above 1 μv/meter for a 1 kc Bandwidth.

$f_{Mc}$ = Frequency in Megacycles.

# Quarterly Radio Noise Data
# June, July, August, 1964

W. Q. Crichlow, R. T. Disney, and M. A. Jenkins

Radio noise measurements are being made at eighteen stations in a world-wide network operated in a co-operative program co-ordinated by the Environmental Science Services Administration. The locations of these stations are shown on the map. The results of these measurements for the months of June, July, and August are given in this report. Where the results for these months are not presently available, the data will be published in subsequent reports, and the data for previous months, which are now available but have not been published previously, are included. The tabulated values are based on three basic parameters of the noise; these are the mean power, the mean envelope voltage, and the mean logarithm of the envelope voltage.

The noise power received from sources external to the antenna averaged over a period of several minutes is the basic parameter and can be conveniently expressed in terms of an effective antenna noise factor, $f_a$, which is defined by:

$$f_a = p_n/kT_o b = T_a/T_o$$

where

$p_n$ = noise power available from an equivalent loss-free antenna (watts)

$k$ = Boltzman's constant = $1.38 \times 10^{-23}$ joules per degree Kelvin

$T_o$ = reference temperature, taken as $288^o$ K

$b$ = effective receiver noise bandwidth (Hz)

$T_a$ = effective antenna temperature in the presence of external noise.

The antenna noise factors in this report are for a short vertical antenna over a perfectly conducting ground plane and are expressed in decibels, $F_a (= 10 \log_{10} f_a)$. This parameter is simply related to the rms noise field strength along the antenna by:

$$E_n = F_a - 95.5 + 10 \log_{10} b + 20 \log_{10} f_{MHz}$$

where:

$E_n$ = rms noise field strength for bandwidth b in db above 1 $\mu$V/m

b = effective receiver noise bandwidth in Hz

$f_{MHz}$ = frequency in MHz.

The value of $E_n$ for a 1 kHz bandwidth can be found from the attached nomogram. It should be noted that $E_n$ is the vertical component of the field at the antenna. It should also be noted that the rms envelope voltage is 3 db higher than the rms voltage.

The other two noise parameters tabulated are given relative to the mean power. Thus, the mean voltage and mean logarithm expressed as deviations, $V_d$ and $L_d$, respectively, are in db below the mean power.

Measurements of the three parameters reported were made with the Environmental Science Services Administration's Radio Noise Recorder, Model ARN-2, which has an effective noise bandwidth of about 200 Hz and uses a standard 6.6294 meter (21.75') vertical antenna. A fifteen-minute recording is made on each of eight frequencies two at a time during each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour during which they were recorded. The month-hour medians, $F_{am}$, $V_{dm}$ and $L_{dm}$ are determined from these hourly values for each of the corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk.

The upper and lower decile values of $F_a$ are also reported in the following tabulation to give an indication of the extent of the variation of the noise power from day to day at a given time of day. These are expressed in db above and below the month-hour median, $F_{am}$, and designated by $D_u$ and $D_\ell$, respectively.

In addition to these month-hour values, corresponding values are tabulated for the time blocks as defined by CCIR Report 322. All recorded values for the four hours of the day and the three-month period are used to determine the median and decile values. When no data were available for one or two months of the season, it is so indicated and should be noted when considering seasonal trends.

The values presented in the tables reflect the actual measured values of radio noise. The only editing for man-made noise or station contamination of the records has been done by the station operators, and no additional attempt has been made to identify these values by systematic statistical means. These preliminary data values are presented in order to expedite dissemination of the data, and additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications. The parameter that will first reflect any such contamination will be the logarithmic parameter, $L_d$. This contamination generally will cause the value of $L_d$ to be less than it would have been had the recorded value been only atmospheric noise. In determining the amplitude-probability distribution from the three measured moments [Crichlow et al., 1960b] contaminated values of $L_d$ may be found that will not give a solution of the amplitude-probability distribution. When this occurs, it is suggested that the measured value of $L_d$ be ignored and the most probable value of $L_d$ from the curve on the graph of $L_d$ vs. $V_d$ be used. The most probable value has been determined as the best fit for the integrated moments from over sixty measured amplitude-probability distributions of uncontaminated atmospheric radio noise. The second curve on the graph indicates the minimum value of $L_d$ that will give an amplitude-probability distribution with a form factor described in the above reference and can, therefore, be used to determine whether the measured value or the most probable value of $L_d$ for any value of $V_d$ should be used.

Station clocks are set to local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time (see table on page 5). The data from the Floating Antarctic Research Vessel, USNS Eltanin, are grouped so that a block $10^o$ in latitude by $15^o$ in longitude is treated as a separate station. The station clock in this case is

corrected to the LST at the center of the block. Because of this grouping, very few readings may be used to obtain the median values tabulated in some cases. If, during the month, fewer than ten readings are obtained for any one block, the decile values are not given. If data for less than three months are used in the time block summaries, this fact is noted on the summary sheet. Because of the small sample size, some caution should be exercised when using these values.

The assistance of the station operators and other personnel of the operating agencies in obtaining the data contained in this report is gratefully acknowledged. Stations in the recording network were operated by the following agencies:

ESSA - Bill, Wyoming; Boulder, Colorado; Byrd Station; Front Royal, Virginia; Kekaha, Hawaii; Warrensburg, Missouri; USNS Eltanin

U.S. Army Strategic Communications Command - Balboa, C.Z.; Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enköping

DSIR (Great Britain) and Ahmadu Bello University, Electrical Engineering Department, Zaria, Northern Nigeria

Ministry of Communications, Wireless Planning and Co-ordination Organization - New Delhi

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Cherifien (Morocco) - Rabat

Comissão Nacional des Atividades Espaciais (Brazil) - São José dos Campos

Department of Scientific and Industrial Research (Great Britain) - Singapore

The following publications contain additional information on radio noise:


Clark, C., "Atmospheric Radio-Noise Studies Based on Amplitude-Probability Measurements at Slough, England, during the International Geophysical Year," Proc. Inst. Elec. Engs., Pt. B, 109, 47, 393 (September, 1962).

Crichlow, W. Q., A. D. Spaulding, C. J. Roubique, and R. T. Disney, "Amplitude-Probability Distributions for Atmospheric Radio Noise," NBS Monograph 23 (November, 1960b).

Crichlow, W. Q., C. J. Roubique, A. D. Spaulding, and W. M. Beery, (January-February, 1960) "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," J. Res. NBS 64D (Radio Propagation) No. 1, 49-56.

Crichlow, W. Q., "Noise Investigation at VLF by the National Bureau of Standards," Proc. IRE, 45, 6 778 (1957).

Crichlow, W. Q., D. F. Smith, R. N. Morton, and W. R. Corliss, "Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 Megacycles," NBS Circular 557, August 25, 1955.

"Report on Revision of Atmospheric Radio Noise Data," C.C.I.R. Report No. 65, VIIIth Plenary Assembly, Warsaw, 1956, (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).

"World Distribution and Characteristics of Atmospheric Radio Noise," C.C.I.R. Report No. 322, Xth Plenary Assembly, Geneva, 1963, (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).

Fulton, F. F. (Jr.) (May-June, 1961), "Effect of Receiver Bandwidth on the Amplitude Distribution of VLF Atmospheric Noise," J. Res. NBS 65D (Radio Propagation) No. 3, 299-304.

Horner, F., "An Investigation of Atmospheric Radio Noise at Very Low Frequencies," Proc. Inst. Elec. Engs., Pt. B, 103, 743 (1956).

Horner, F., "Radio Noise of Terrestrial Origin," Proc. of Commission IV on Radio Noise of Terrestrial Origin during the XIIIth General Assembly of URSI," London, September, 1960.

Spaulding, A. D., C. J. Roubique, and W. Q. Crichlow (November-December, 1962) "Conversion of the Amplitude-Probability Distribution Function for Atmospheric Radio Noise from One Bandwidth to Another," J. Res. NBS 66D (Radio Propagation) No. 6, 713-720.

Obayashi, T. (January-February, 1960), "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," J. Res. NBS 64D(Radio Propagation) No. 1, 41-48.

Taylor, W. L. (September-October, 1963), "Radiation Field Characteristics of Lightning Discharges in the Band 1 kc/s to 100 kc/s," J. Res. NBS 67D (Radio Propagation) No. 5, 539-550.

Taylor, W. L. and A. G. Jean (September-October, 1959), "Very-Low-Frequency Radiation Spectra of Lightning Discharges," J. Res. NBS 63D (Radio Propagation) No. 2, 199-204.

URSI Special Report No. 7, "The Measurement of Characteristics of Terrestrial Radio Noise," Elsevier Publishing Co. (1962).

Watt, A. D. and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45, 6, 787 (1957).

Watt, A. D. (September-October, 1960), "ELF Electric Fields from Thunderstorms," J. Res. NBS 64D (Radio Propagation) No. 5, 425-433.

Watt, A. D. and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45, 1, 55 (1957).

Watt, A. D., R. M. Coon, E. L. Maxwell, and R. W. Plush, "Performance of some Radio Systems in the Presence of Thermal and Atmospheric Noise," Proc. IRE, 46, 12, 1914 (1958).

Data included in this report and the standard time for each station are as follows:

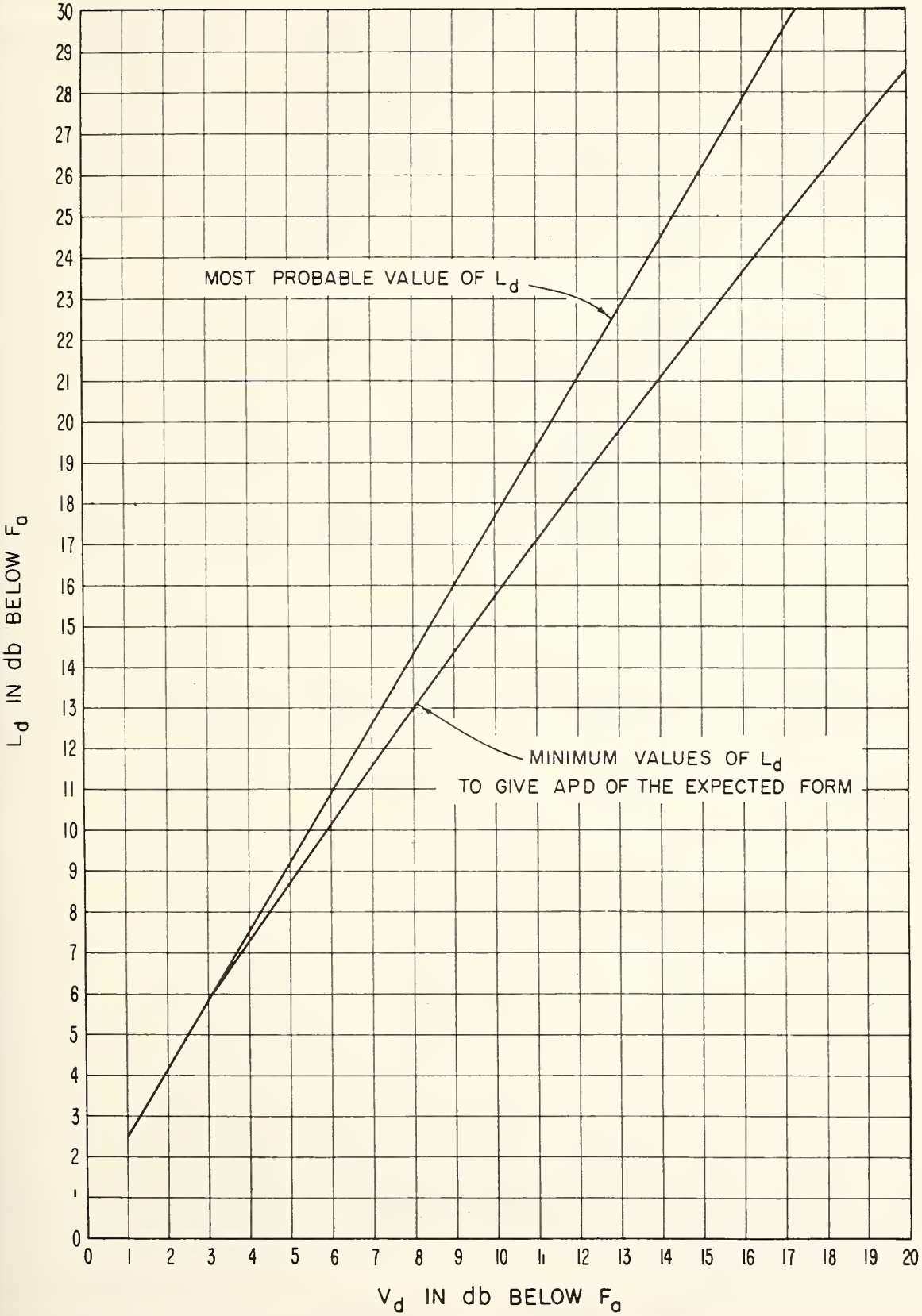
| Station | Data | | | To Convert LST to GMT (hours) |
|---|---|---|---|---|
| Balboa | June, July, August | 1964 | 75W | +05 |
| Bill | June, July, August | 1964 | 105W | +07 |
| Boulder | June, July, August | 1964 | 105W | +07 |
| Byrd Station | July, August | 1964 | 120W | -09 |
| Cook | June, July, August | 1964 | 135E | -09 |
| USNS Eltanin | June, July, August | 1964 | | |
| Enköping | June, July, August | 1964 | 15E | -01 |
| Front Royal | June, July, August | 1964 | 75W | +05 |
| Kekaha | June, July | 1964 | 150W | +10 |
| New Delhi | June, July, August | 1964 | 75E | -05 |
| Ohira | June, July, August | 1964 | 135E | -09 |
| Pretoria | June, July, August | 1964 | 30E | -02 |
| São José | June, July, August | 1964 | 45W | +03 |
| Warrensburg | June, July, August | 1964 | 90W | +06 |

Previous data from the World-Wide Network have been published in the following Technical Note 18 series:

18-1 July 1, 1957-December 31, 1958
18-2 March, April, May, 1959
18-3 June, July, August, 1959
18-4 September, October, November, 1959
18-5 December, January, February, 1959-60
18-6 March, April, May, 1960
18-7 June, July, August, 1960
18-8 September, October, November, 1960
18-9 December, January, February, 1960-61
18-10 March, April, May, 1961
18-11 June, July, August, 1961
18-12 September, October, November, 1961
18-13 December, January, February, 1961-62
18-14 March, April, May, 1962
18-15 June, July, August, 1962
18-16 September, October, November, 1962
18-17 December, January, February, 1962-63

18-18 March, April, May, 1963
18-19 June, July, August, 1963
18-20 September, October, November, 1963
18-21 December, January, February, 1963-64
18-22 March, April, May, 1964

# MOST PROBABLE AND MINIMUM VALUES OF $L_d$ VERSUS $V_d$ FOR ATMOSPHERIC RADIO NOISE



# MONTH-HOUR VALUES OF RADIO NOISE

STATION BALBOA, CANAL ZONE LAT. 9.0 N LONG. 79.5 W JUNE 1964

| HR. GMT | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 156 | 7.5 | 7.2 | | | 139 | 6.7 | 12.0 | | | *119 | | | | | 101 | 6.1 | 9.5 | | |
| 01 | 155 | 8.8 | 8.0 | | | *138 | | | | | *118 | | | | | * 99 | | | | |
| 02 | 156 | 9.2 | 6.9 | | | 139 | 8.2 | 9.9 | | | 117 | 11.8 | 8.1 | | | 100 | 8.3 | 14.0 | | |
| 03 | 156 | 8.9 | 7.2 | | | 140 | 7.3 | 11.4 | | | 119 | 8.8 | 12.3 | | | 100 | 4.8 | 13.9 | | |
| 04 | 157 | 5.9 | 8.1 | | | 139 | 8.0 | 11.7 | | | 117 | 8.4 | 10.0 | | | 100 | 4.1 | 14.1 | | |
| 05 | 156 | 5.0 | 9.0 | | | 137 | 10.0 | 12.3 | | | 115 | 11.5 | 8.3 | | | 94 | 13.4 | 15.8 | | |
| 06 | 153 | 8.1 | 8.1 | | | 133 | 13.6 | 10.4 | | | 113 | 15.7 | 12.2 | | | 86 | 22.1 | 19.7 | | |
| 07 | *150 | | | | | *133 | | | | | 112 | 14.3 | 13.1 | | | * 85 | | | | |
| 08 | *151 | | | | | *132 | | | | | *113 | | | | | * 82 | | | | |
| 09 | *151 | | | | | *132 | | | | | *111 | | | | | * 82 | | | | |
| 10 | *149 | | | | | *131 | | | | | *109 | | | | | * 81 | | | | |
| 11 | *150 | | | | | *131 | | | | | *105 | | | | | * 82 | | | | |
| 12 | *151 | | | | | *131 | | | | | *111 | | | | | * 90 | | | | |
| 13 | *152 | | | | | *135 | | | | | *115 | | | | | * 92 | | | | |
| 14 | *155 | | | | | *139 | | | | | *119 | | | | | *100 | | | | |
| 15 | *159 | | | | | 139 | 6.3 | 10.3 | | | *120 | | | | | *100 | | | | |
| 16 | *159 | | | | | *141 | | | | | *121 | | | | | * 97 | | | | |
| 17 | 157 | 6.3 | 6.6 | | | 139 | 3.1 | 10.8 | | | *114 | | | | | * 91 | | | | |
| 18 | 155 | 6.3 | 8.6 | | | 135 | 8.3 | 8.8 | | | *115 | | | | | * 93 | | | | |
| 19 | 153 | 6.3 | 8.0 | | | 135 | 9.9 | 10.1 | | | 115 | 6.0 | 14.1 | | | 96 | 7.9 | 10.0 | | |
| 20 | 157 | 3.* | 9.9 | | | 137 | 6.0 | 10.3 | | | 117 | 7.6 | 12.1 | | | 98 | 9.6 | 12.0 | | |
| 21 | 155 | 6.0 | 7.5 | | | 137 | 7.5 | 10.0 | | | 117 | 8.1 | 11.7 | | | 99 | 12.6 | 13.1 | | |
| 22 | 157 | 4.( | 9.5 | | | 140 | 5.9 | 14.7 | | | 117 | 11.0 | 12.1 | | | *100 | | | | |
| 23 | 157 | 5.* | 9.7 | | | 139 | 7.5 | 13.5 | | | 117 | 10.0 | 11.5 | | | 100 | 13.6 | 11.6 | | |

| HR. GMT | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 65 | 15.8 | 13.0 | | | 49 | 17.1 | 15.0 | | | 42 | 9.6 | 16.9 | | | * 12 | | | | |
| 01 | 64 | 14.4 | 12.0 | | | 49 | 17.1 | 14.2 | | | 36 | 15.6 | 8.1 | | | * 11 | | | | |
| 02 | 62 | 19.2 | 8.1 | | | 49 | 17.2 | 14.7 | | | 37 | 13.2 | 10.1 | | | * 12 | | | | |
| 03 | 66 | 14.5 | 12.2 | | | 49 | 19.0 | 13.1 | | | 39 | 11.7 | 9.4 | | | * 12 | | | | |
| 04 | 64 | 18.7 | 8.0 | | | 44 | 24.4 | 9.6 | | | 37 | 10.0 | 9.0 | | | * 12 | | | | |
| 05 | 64 | 17.2 | 13.1 | | | 42 | 22.2 | 8.9 | | | 33 | 16.0 | 5.0 | | | * 12 | | | | |
| 06 | 55 | 19.2 | 9.3 | | | 46 | 20.2 | 12.1 | | | * 40 | | | | | * 12 | | | | |
| 07 | * 54 | | | | | * 56 | | | | | * 36 | | | | | * 11 | | | | |
| 08 | * 51 | | | | | * 37 | | | | | * 36 | | | | | * 11 | | | | |
| 09 | * 52 | | | | | * 38 | | | | | * 36 | | | | | * 11 | | | | |
| 10 | * 49 | | | | | * 41 | | | | | * 37 | | | | | * 15 | | | | |
| 11 | * 51 | | | | | * 43 | | | | | * 35 | | | | | * 15 | | | | |
| 12 | * 45 | | | | | * 42 | | | | | * 39 | | | | | * 11 | | | | |
| 13 | * 49 | | | | | * 49 | | | | | * 40 | | | | | * 12 | | | | |
| 14 | * 61 | | | | | * 43 | | | | | * 47 | | | | | * 16 | | | | |
| 15 | * 61 | | | | | * 47 | | | | | * 46 | | | | | * 14 | | | | |
| 16 | * 5[illegible] | | | | | * 54 | | | | | * 47 | | | | | * 21 | | | | |
| 17 | 56 | 17.3 | 11.[illegible] | | | * 44 | | | | | * 46 | | | | | * 20 | | | | |
| 18 | 59 | 18.2 | 8.[illegible] | | | * 54 | | | | | * 49 | | | | | * 14 | | | | |
| 19 | 62 | 14.4 | 8.3 | | | 49 | 21.0 | 13.3 | | | 47 | 9.7 | 6.8 | | | * 14 | | | | |
| 20 | * 63 | | | | | * 46 | | | | | 47 | 9.4 | 9.0 | | | * 13 | | | | |
| 21 | 63 | 13.4 | 10.6 | | | 51 | 21.9 | 11.8 | | | * 45 | | | | | * 13 | | | | |
| 22 | 64 | 12.9 | 10.1 | | | 52 | 19.3 | 9.6 | | | 43 | 6.4 | 17.0 | | | * 11 | | | | |
| 23 | 64 | 15.0 | 12.0 | | | 49 | 17.3 | 14.5 | | | 44 | 8.4 | 16.1 | | | * 14 | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{om}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION 8AL80A, CANAL ZONE LAT. 9.0 N LONG. 79.5 W JULY 1964

| HR. LST. | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 165 | 4.7 | 9.7 | | | 145 | 4.9 | 11.3 | | | 125 | 5.1 | 9.1 | | | 102 | 6.7 | 8.0 | | |
| 01 | 165 | 4.2 | 10.8 | | | 146 | 6.0 | 10.0 | | | 126 | 2.5 | 9.6 | | | 102 | 10.3 | 8.6 | | |
| 02 | 165 | 4.7 | 10.2 | | | 146 | 4.0 | 10.0 | | | 125 | 5.8 | 9.3 | | | 102 | 7.9 | 10.1 | | |
| 03 | 165 | 4.2 | 6.7 | | | 144 | 6.0 | 8.5 | | | 125 | 6.4 | 10.1 | | | 102 | 6.1 | 10.0 | | |
| 04 | 164 | 7.0 | 6.5 | | | 146 | 4.5 | 8.5 | | | 124 | 7.0 | 8.3 | | | 100 | 6.4 | 10.0 | | |
| 05 | 163 | 7.5 | 8.4 | | | 144 | 5.9 | 8.2 | | | 123 | 6.5 | 8.0 | | | 100 | 11.3 | 10.3 | | |
| 06 | 162 | 8.5 | 11.5 | | | 142 | 6.3 | 12.3 | | | 121 | 7.5 | 13.0 | | | 96 | 10.2 | 12.0 | | |
| 07 | 161 | 5.4 | 12.0 | | | 141 | 8.8 | 13.0 | | | 119 | 10.4 | 17.4 | | | 95 | 11.4 | 14.3 | | |
| 08 | *161 | | | | | 140 | 8.0 | 12.8 | | | 118 | 9.4 | 11.7 | | | * 93 | | | | |
| 09 | *161 | | | | | *140 | | | | | *118 | | | | | * 91 | | | | |
| 10 | *163 | | | | | *138 | | | | | 119 | 4.3 | 18.3 | | | 88 | 12.2 | 12.5 | | |
| 11 | 163 | 4.0 | 15.5 | | | 138 | 4.2 | 8.2 | | | 119 | 6.1 | 15.4 | | | 88 | 10.1 | 5.6 | | |
| 12 | 163 | 3.4 | 14.9 | | | 138 | 7.4 | 8.6 | | | 119 | 8.9 | 13.4 | | | 92 | 12.0 | 16.0 | | |
| 13 | 165 | 6.2 | 13.3 | | | 141 | 9.4 | 12.4 | | | 123 | 10.0 | 15.5 | | | 96 | 16.0 | 17.5 | | |
| 14 | 166 | 4.7 | 16.5 | | | 140 | 15.1 | 7.1 | | | 121 | 17.8 | 12.3 | | | 102 | 18.2 | 22.2 | | |
| 15 | 167 | 7.4 | 14.9 | | | 142 | 15.8 | 8.9 | | | 124 | 11.9 | 17.0 | | | 98 | 16.0 | 16.7 | | |
| 16 | 167 | 5.2 | 10.5 | | | 145 | 11.9 | 11.9 | | | 123 | 14.7 | 12.0 | | | 98 | 15.4 | 14.7 | | |
| 17 | 165 | 6.7 | 11.0 | | | 139 | 15.3 | 6.1 | | | 119 | 10.6 | 9.4 | | | 93 | 13.0 | 13.6 | | |
| 18 | 164 | 7.0 | 11.7 | | | 139 | 13.0 | 9.0 | | | 117 | 18.6 | 4.8 | | | 94 | 14.4 | 8.5 | | |
| 19 | 163 | 9.7 | 13.0 | | | 140 | 15.1 | 8.0 | | | 120 | 16.5 | 9.5 | | | 98 | 17.1 | 10.0 | | |
| 20 | 165 | 8.0 | 11.0 | | | 142 | 9.8 | 8.0 | | | 123 | 10.0 | 6.3 | | | 100 | 14.0 | 8.0 | | |
| 21 | 164 | 6.1 | 12.1 | | | 143 | 4.6 | 12.6 | | | 123 | 8.6 | 8.1 | | | 100 | 10.0 | 11.5 | | |
| 22 | 165 | 4.5 | 14.5 | | | 144 | 4.5 | 12.5 | | | 123 | 4.5 | 5.7 | | | 101 | 6.5 | 12.5 | | |
| 23 | 166 | 3.3 | 13.0 | | | 144 | 4.9 | 9.8 | | | 124 | 7.0 | 7.7 | | | 102 | 4.0 | 14.7 | | |

| HR. LST. | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 62 | | | | | * 61 | | | | | * 37 | | | | | * 27 | | | | |
| 01 | * 64 | | | | | * 61 | | | | | * 38 | | | | | * 25 | | | | |
| 02 | * 63 | | | | | * 62 | | | | | * 35 | | | | | * 26 | | | | |
| 03 | * 69 | | | | | * 56 | | | | | * 34 | | | | | * 27 | | | | |
| 04 | * 66 | | | | | * 58 | | | | | * 38 | | | | | * 27 | | | | |
| 05 | * 70 | | | | | * 65 | | | | | * 35 | | | | | * 27 | | | | |
| 06 | * 55 | | | | | * 64 | | | | | * 36 | | | | | * 27 | | | | |
| 07 | * 53 | | | | | * 52 | | | | | * 41 | | | | | * 25 | | | | |
| 08 | * 43 | | | | | * 46 | | | | | * 36 | | | | | * 27 | | | | |
| 09 | * 37 | | | | | * 34 | | | | | * 33 | | | | | * 27 | | | | |
| 10 | * 40 | | | | | * 42 | | | | | * 32 | | | | | * 24 | | | | |
| 11 | * 39 | | | | | * 46 | | | | | * 32 | | | | | * 25 | | | | |
| 12 | * 47 | | | | | * 52 | | | | | * 36 | | | | | * 27 | | | | |
| 13 | * 47 | | | | | * 54 | | | | | * 38 | | | | | * 30 | | | | |
| 14 | * 52 | | | | | * 56 | | | | | * 38 | | | | | * 29 | | | | |
| 15 | * 63 | | | | | * 68 | | | | | * 44 | | | | | * 29 | | | | |
| 16 | * 57 | | | | | * 68 | | | | | * 46 | | | | | * 35 | | | | |
| 17 | * 58 | | | | | * 68 | | | | | * 44 | | | | | * 29 | | | | |
| 18 | * 64 | | | | | * 71 | | | | | * 45 | | | | | * 29 | | | | |
| 19 | * 65 | | | | | * 72 | | | | | * 46 | | | | | * 30 | | | | |
| 20 | * 69 | | | | | * 75 | | | | | * 45 | | | | | * 29 | | | | |
| 21 | * 71 | | | | | * 70 | | | | | * 40 | | | | | * 27 | | | | |
| 22 | * 67 | | | | | * 63 | | | | | * 38 | | | | | * 27 | | | | |
| 23 | * 65 | | | | | * 58 | | | | | * 35 | | | | | * 27 | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logorithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION BALBOA, CANAL ZONE LAT. 9.0 N LONG. 79.5 W AUGUST 1964

| HR. LST | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 165 | 7.7 | 9.8 | | | 148 | 9.7 | 4.2 | | | 128 | 6.1 | 8.2 | | | 106 | 11.5 | 9.5 | | |
| 01 | 167 | 7.5 | 10.0 | | | 150 | 6.6 | 6.0 | | | 128 | 8.1 | 7.7 | | | 104 | 11.5 | 6.0 | | |
| 02 | 167 | 8.1 | 10.5 | | | 148 | 8.0 | 4.3 | | | 128 | 7.6 | 5.7 | | | 104 | 11.7 | 6.0 | | |
| 03 | 167 | 8.0 | 10.0 | | | 150 | 5.7 | 6.0 | | | 128 | 7.5 | 7.5 | | | 102 | 9.7 | 5.6 | | |
| 04 | 169 | 5.0 | 12.8 | | | 150 | 4.0 | 6.0 | | | 128 | 6.0 | 5.5 | | | 104 | 6.1 | 8.1 | | |
| 05 | 167 | 6.1 | 12.2 | | | 148 | 6.0 | 6.5 | | | 127 | 7.0 | 5.1 | | | 106 | 6.3 | 10.6 | | |
| 06 | 166 | 6.8 | 13.8 | | | 146 | 8.4 | 5.9 | | | 126 | 8.0 | 12.1 | | | 100 | 15.5 | 18.3 | | |
| 07 | 165 | 6.2 | 6.5 | | | 145 | 9.9 | 5.0 | | | 124 | 9.4 | 14.0 | | | 102 | 10.0 | 22.2 | | |
| 08 | 167 | 3.8 | 13.4 | | | 146 | 5.9 | 13.0 | | | 126 | 6.0 | 15.0 | | | 98 | 13.3 | 19.0 | | |
| 09 | 165 | 3.5 | 11.1 | | | *146 | | | | | 122 | 10.0 | 16.9 | | | 96 | 14.0 | 23.1 | | |
| 10 | 162 | 4.0 | 9.0 | | | 146 | 4.2 | 14.2 | | | 122 | 8.0 | 11.1 | | | 96 | 11.5 | 23.5 | | |
| 11 | 163 | 6.0 | 11.1 | | | 144 | 6.1 | 10.6 | | | 122 | 10.0 | 16.0 | | | 96 | 13.1 | 24.2 | | |
| 12 | 163 | 5.9 | 6.4 | | | 144 | 6.2 | 10.4 | | | 124 | 8.1 | 10.1 | | | 98 | 13.5 | 20.9 | | |
| 13 | 163 | 5.3 | 8.5 | | | 144 | 8.2 | 12.2 | | | 124 | 12.7 | 14.7 | | | 96 | 16.5 | 25.0 | | |
| 14 | 163 | 4.4 | 8.4 | | | 146 | 9.0 | 6.0 | | | 124 | 12.9 | 9.8 | | | 97 | 17.7 | 14.4 | | |
| 15 | 164 | 6.9 | 9.0 | | | 144 | 12.3 | 4.0 | | | 124 | 11.9 | 7.9 | | | 100 | 15.9 | 9.7 | | |
| 16 | 163 | 8.8 | 7.6 | | | 144 | 11.9 | 5.9 | | | 124 | 11.6 | 8.2 | | | 100 | 13.5 | 14.0 | | |
| 17 | 165 | 6.1 | 9.7 | | | 144 | 8.9 | 6.9 | | | 121 | 13.1 | 11.2 | | | 96 | 14.3 | 16.6 | | |
| 18 | 163 | 4.0 | 10.6 | | | 142 | 9.1 | 7.1 | | | 118 | 12.2 | 4.6 | | | 98 | 10.0 | 12.0 | | |
| 19 | 163 | 4.0 | 9.0 | | | 143 | 3.0 | 8.1 | | | 122 | 6.5 | 6.5 | | | 102 | 6.8 | 10.0 | | |
| 20 | 163 | 5.1 | 8.3 | | | 144 | 5.4 | 4.7 | | | 122 | 6.3 | 4.0 | | | 102 | 5.7 | 4.1 | | |
| 21 | 165 | 4.0 | 10.3 | | | 145 | 5.0 | 5.0 | | | 126 | 6.0 | 8.0 | | | 102 | 8.3 | 4.3 | | |
| 22 | 165 | 5.9 | 9.9 | | | 146 | 5.7 | 4.1 | | | 125 | 9.0 | 7.1 | | | 102 | 11.5 | 4.9 | | |
| 23 | 163 | 8.0 | 6.1 | | | 146 | 8.1 | 4.1 | | | 128 | 6.0 | 9.5 | | | 104 | 10.0 | 8.1 | | |

| HR. LST | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | | | | | | | | | | | | | | | | | | | | |
| 01 | | | | | | | | | | | | | | | | | | | | |
| 02 | | | | | | | | | | | | | | | | | | | | |
| 03 | | | | | | | | | | | | | | | | | | | | |
| 04 | | | | | | | | | | | | | | | | | | | | |
| 05 | | | | | | | | | | | | | | | | | | | | |
| 06 | | | | | | | | | | | | | | | | | | | | |
| 07 | | | | | | | | | | | | | | | | | | | | |
| 08 | | | | | | | | | | | | | | | | | | | | |
| 09 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{om}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION HILL, WYOMING LAT. 43.2 N LONG. 105.2 W JUNE 1964

| HR. LST | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 163 | 8.0 | 7.5 | 9.0 | 16.5 | 142 | 6.0 | 5.5 | 3.0 | 7.0 | 120 | 8.0 | 14.0 | 5.3 | 11.8 | 100 | 6.0 | 18.0 | 5.0 | 11.0 |
| 01 | 161 | 8.0 | 6.0 | 10.0 | 17.5 | 142 | 6.0 | 5.5 | 3.5 | 7.5 | 118 | 10.0 | 11.5 | 6.0 | 12.5 | 98 | 6.0 | 18.0 | 6.0 | 12.0 |
| 02 | 161 | 6.0 | 6.0 | 10.0 | 17.5 | 140 | 7.5 | 3.5 | 3.0 | 7.5 | 116 | 10.0 | 11.0 | 7.3 | 14.0 | 94 | 11.5 | 16.0 | 6.8 | 14.0 |
| 03 | 161 | 6.0 | 6.0 | 11.5 | 18.5 | 140 | 4.0 | 4.0 | 3.0 | 7.5 | 112 | 9.5 | 13.5 | 8.5 | 16.5 | 82 | 9.5 | 15.5 | 9.3 | 17.3 |
| 04 | 159 | 6.0 | 4.0 | 10.5 | 17.5 | 132 | 9.5 | 5.5 | 6.5 | 10.5 | 102 | 19.5 | 21.5 | 10.5 | 20.0 | 62 | 28.0 | 12.0 | 9.0 | 12.0 |
| 05 | 157 | 8.0 | 4.0 | 11.0 | 18.5 | 132 | 8.0 | 2.0 | 4.0 | 9.0 | 100 | 20.0 | 26.0 | 12.0 | 21.5 | 62 | 30.0 | 12.0 | 9.5 | 11.5 |
| 06 | 157 | 7.5 | 4.0 | 12.0 | 19.5 | 132 | 7.5 | 4.0 | 4.3 | 9.5 | 102 | 19.0 | 30.0 | 11.5 | 21.0 | 60 | 32.0 | 10.0 | 8.8 | 13.5 |
| 07 | 157 | 7.5 | 5.5 | 12.5 | 20.5 | 130 | 11.0 | 2.0 | 4.5 | 8.8 | 100 | 20.0 | 28.0 | 14.0 | 22.0 | 56 | 34.1 | 6.0 | 5.5 | 8.3 |
| 08 | 157 | 4.1 | 5.6 | 12.5 | 20.0 | 130 | 10.1 | 2.1 | 3.3 | 8.0 | 96 | 26.0 | 22.1 | 11.5 | 18.5 | 54 | 41.6 | 4.0 | 6.0 | 8.5 |
| 09 | 157 | 9.6 | 5.7 | 12.3 | 19.5 | 132 | 11.5 | 4.0 | 4.0 | 8.5 | 96 | 28.4 | 17.6 | 12.0 | 19.0 | 62 | 32.7 | 10.2 | 7.8 | 13.0 |
| 10 | 159 | 6.0 | 4.0 | 12.0 | 19.0 | 133 | 9.0 | 4.8 | 5.0 | 9.5 | 104 | 19.1 | 9.1 | 12.0 | 22.0 | 72 | 24.6 | 10.9 | 11.0 | 17.0 |
| 11 | 161 | 4.0 | 1.1 | 10.0 | 16.5 | 136 | 8.0 | 4.0 | 5.3 | 9.3 | 112 | 12.0 | 12.0 | 9.5 | 17.5 | 86 | 16.0 | 24.8 | 11.0 | 19.0 |
| 12 | 163 | 6.0 | 2.1 | 9.3 | 16.8 | 138 | 9.7 | 5.7 | 5.8 | 9.3 | 118 | 10.3 | 17.9 | 11.5 | 19.0 | 94 | 16.3 | 31.9 | 12.0 | 20.0 |
| 13 | 165 | 5.7 | 3.8 | 7.5 | 13.5 | 142 | 7.9 | 5.7 | 6.0 | 9.5 | 122 | 8.0 | 18.6 | 8.8 | 15.8 | 98 | 12.4 | 33.8 | 8.5 | 17.0 |
| 14 | 169 | 2.0 | 4.0 | 7.5 | 13.0 | 144 | 9.0 | 8.0 | 6.0 | 10.8 | 126 | 9.0 | 22.4 | 8.3 | 14.5 | 104 | 12.4 | 35.0 | 9.5 | 17.0 |
| 15 | 169 | 4.0 | 4.0 | 6.0 | 12.0 | 144 | 9.5 | 7.5 | 6.0 | 9.5 | 126 | 10.0 | 25.0 | 7.0 | 13.5 | 104 | 14.0 | 37.5 | 9.0 | 16.0 |
| 16 | 167 | 13.0 | 4.0 | 7.0 | 12.3 | 144 | 17.0 | 8.0 | 4.8 | 8.5 | 126 | 17.0 | 23.0 | 7.5 | 14.0 | 102 | 23.5 | 31.5 | 8.5 | 16.5 |
| 17 | 169 | 9.3 | 6.0 | 6.5 | 12.0 | 146 | 16.0 | 10.0 | 5.5 | 9.5 | 126 | 17.9 | 21.5 | 7.0 | 12.5 | 100 | 31.0 | 31.5 | 6.5 | 13.0 |
| 18 | 169 | 12.0 | 7.0 | 6.5 | 12.0 | 144 | 17.5 | 9.5 | 4.5 | 8.0 | 124 | 17.5 | 20.4 | 7.0 | 13.0 | 98 | 23.5 | 29.5 | 6.5 | 12.5 |
| 19 | 169 | 4.0 | 8.0 | 6.8 | 12.5 | 144 | 12.0 | 10.0 | 5.0 | 9.0 | 124 | 15.5 | 18.4 | 5.0 | 9.3 | 98 | 23.0 | 18.0 | 4.5 | 9.5 |
| 20 | 167 | 7.5 | 8.0 | 7.3 | 13.0 | 144 | 10.0 | 8.0 | 5.0 | 8.5 | 124 | 11.5 | 11.0 | 4.5 | 8.5 | 100 | 13.5 | 11.5 | 3.5 | 7.3 |
| 21 | 167 | 5.5 | 7.5 | 7.3 | 13.0 | 144 | 8.0 | 7.5 | 4.0 | 7.5 | 124 | 10.0 | 11.5 | 4.0 | 9.0 | 100 | 14.0 | 11.5 | 4.0 | 7.0 |
| 22 | 165 | 8.0 | 7.5 | 8.5 | 15.0 | 144 | 8.0 | 6.0 | 3.3 | 6.8 | 122 | 10.0 | 13.0 | 5.0 | 10.0 | 100 | 11.5 | 16.4 | 4.5 | 9.0 |
| 23 | 165 | 5.5 | 8.0 | 8.8 | 15.3 | 144 | 4.0 | 7.5 | 3.5 | 6.5 | 122 | 8.0 | 13.0 | 5.3 | 10.8 | 100 | 9.5 | 14.4 | 4.8 | 10.5 |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 77 | 5.5 | 17.5 | 3.5 | 8.0 | 62 | 7.5 | 8.5 | 3.8 | 7.5 | 45 | 9.0 | 11.0 | 3.0 | 5.0 | 27 | 2.0 | 2.0 | 1.0 | 2.5 |
| 01 | 73 | 9.5 | 11.5 | 4.0 | 8.5 | 60 | 7.5 | 5.5 | 4.0 | 8.0 | 44 | 6.0 | 10.0 | 3.3 | 5.8 | 27 | | | 1.0 | 2.5 |
| 02 | 73 | 8.0 | 11.5 | 4.0 | 8.8 | 62 | 6.0 | 7.5 | 3.5 | 7.5 | 42 | 10.0 | 8.0 | 3.5 | 6.3 | 27 | | | 1.0 | 2.5 |
| 03 | 71 | 8.0 | 11.5 | 5.0 | 10.0 | 60 | 8.0 | 6.0 | 4.5 | 9.0 | 42 | 10.0 | 8.0 | 3.5 | 6.3 | 25 | 2.0 | 0.0 | 1.0 | 2.5 |
| 04 | 63 | 5.7 | 12.0 | 5.8 | 10.5 | 56 | 4.0 | 9.5 | 5.0 | 9.3 | 44 | 7.5 | 6.0 | 3.0 | 6.0 | 25 | 2.0 | 0.0 | 1.5 | 2.8 |
| 05 | 47 | 14.0 | 14.0 | 5.0 | 9.5 | 50 | 8.0 | 8.0 | 4.5 | 8.5 | 42 | 7.5 | 4.0 | 3.5 | 6.0 | 25 | 2.0 | 1.6 | 1.5 | 3.0 |
| 06 | 39 | 18.7 | 12.0 | 7.0 | 13.0 | 44 | 10.0 | 8.0 | 4.8 | 8.3 | 40 | 6.0 | 4.0 | 3.5 | 6.3 | 25 | 2.1 | 2.0 | 2.0 | 3.5 |
| 07 | 31 | 20.0 | 8.0 | 6.5 | 9.0 | 40 | 10.0 | 10.0 | 8.0 | 13.0 | 38 | 4.0 | 4.0 | 3.5 | 7.0 | 27 | 2.1 | 2.1 | 2.0 | 3.8 |
| 08 | 25 | 23.7 | 2.0 | 2.5 | 4.0 | 34 | 16.8 | 7.6 | 6.5 | 10.0 | 36 | 5.9 | 4.1 | 3.5 | 5.5 | 25 | 5.7 | 2.0 | 2.0 | 3.5 |
| 09 | 23 | 25.2 | 2.0 | 2.5 | 4.3 | 32 | 19.6 | 7.7 | 3.3 | 6.0 | 34 | 9.3 | 5.6 | 3.8 | 6.5 | 26 | 3.2 | 3.0 | 1.0 | 2.8 |
| 10 | 25 | 28.6 | 4.0 | * 7.3 | *11.8 | 35 | 14.4 | 6.8 | 6.3 | 10.0 | 36 | 4.9 | 4.0 | 5.3 | 8.3 | 27 | 2.7 | 4.0 | 2.5 | 4.0 |
| 11 | 27 | 34.3 | 6.0 | 7.5 | 13.0 | 37 | 11.9 | 5.0 | 7.0 | 12.0 | 36 | 6.7 | 4.0 | 3.5 | 6.5 | 25 | 6.1 | 2.0 | 1.5 | 3.0 |
| 12 | 39 | 24.1 | 15.9 | 9.5 | 16.0 | 42 | 11.9 | 8.0 | 7.5 | 12.0 | 40 | 5.7 | 8.0 | 4.8 | 8.3 | 27 | 6.4 | 2.0 | 2.3 | 4.0 |
| 13 | 51 | 18.1 | 28.0 | 6.5 | 13.0 | 46 | 10.7 | 11.7 | 7.0 | 12.0 | 42 | 2.2 | 4.0 | 4.0 | 8.0 | 27 | 7.6 | 2.0 | 2.5 | 4.5 |
| 14 | 59 | 17.5 | 34.0 | 9.0 | 13.8 | 50 | 13.5 | 12.0 | 6.3 | 11.0 | 44 | 4.0 | 4.0 | 3.8 | 7.5 | 29 | 7.9 | 4.0 | 2.5 | 4.5 |
| 15 | 61 | 18.0 | 35.5 | 7.0 | 12.5 | 54 | 11.5 | 14.0 | 5.5 | 11.0 | 48 | 4.0 | 5.5 | 3.0 | 6.0 | 29 | 8.0 | 4.0 | 2.0 | 4.0 |
| 16 | 63 | 24.5 | 33.6 | 7.0 | 12.5 | 56 | 14.3 | 11.6 | 5.0 | 9.5 | 52 | 9.5 | 6.0 | 2.5 | 6.0 | 31 | 15.5 | 4.0 | 2.0 | 4.5 |
| 17 | 61 | 29.0 | 23.5 | 5.8 | 11.0 | 58 | 17.5 | 9.5 | 3.0 | 7.5 | 54 | 9.3 | 6.1 | 2.3 | 4.8 | 31 | 23.5 | 4.0 | 2.0 | 4.5 |
| 18 | 63 | 25.4 | 15.5 | 5.0 | 10.3 | 62 | 9.2 | 6.0 | 3.5 | 7.0 | 56 | 4.0 | 7.5 | 3.0 | 5.5 | 31 | 13.5 | 4.0 | 2.5 | 4.5 |
| 19 | 68 | 15.1 | 13.0 | 3.8 | 7.5 | 66 | 6.0 | 5.5 | 3.5 | 6.8 | 56 | 5.5 | 6.0 | 2.8 | 6.3 | 31 | 6.0 | 4.0 | 2.5 | 5.3 |
| 20 | 75 | 9.0 | 8.0 | 3.5 | 7.0 | 70 | 2.0 | 7.6 | 3.0 | 6.5 | 54 | 8.0 | 5.5 | 3.0 | 6.3 | 29 | 7.5 | 3.5 | 2.8 | 5.0 |
| 21 | 79 | 3.5 | 11.5 | 3.5 | 7.0 | 68 | 4.0 | 6.1 | 4.5 | 9.0 | 52 | 6.1 | 6.0 | 3.5 | 6.8 | 28 | 5.3 | 2.6 | 1.5 | 3.3 |
| 22 | 79 | 3.7 | 13.7 | 3.8 | 7.3 | 66 | 5.6 | 8.1 | 4.0 | 8.0 | 50 | 7.6 | 10.0 | 4.0 | 7.5 | 27 | 5.7 | 2.0 | 1.5 | 3.0 |
| 23 | 77 | 7.2 | 14.8 | 3.5 | 8.0 | 64 | 6.1 | 8.1 | 4.0 | 8.0 | 48 | 7.6 | 11.2 | 3.5 | 6.0 | 27 | 7.1 | 2.0 | 0.5 | 2.0 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{om}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION BILL, WYOMING LAT. 43.2 N LONG. 105.2 W JULY 1964

| HR. LST. | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 165 | 5.6 | 2.1 | 9.8 | 16.5 | 144 | 5.6 | 5.6 | 5.8 | 9.8 | 122 | 7.6 | 6.0 | 6.5 | 12.5 | 103 | 4.7 | 7.0 | 5.8 | 10.5 |
| 01 | 165 | 3.7 | 2.1 | 9.5 | 16.8 | 142 | 4.1 | 3.6 | 6.0 | 10.0 | 121 | 5.1 | 6.6 | 6.5 | 13.3 | 102 | 5.7 | 5.7 | 6.0 | 12.8 |
| 02 | 165 | 4.0 | 4.0 | 10.0 | 17.8 | 142 | 4.0 | 4.1 | 5.8 | 10.0 | 120 | 7.6 | 5.7 | 7.0 | 13.5 | 102 | 4.1 | 6.1 | 5.3 | 11.0 |
| 03 | 163 | 4.1 | 2.0 | 9.8 | 16.8 | 140 | 6.0 | 2.0 | 6.3 | 9.8 | 118 | 7.6 | 6.1 | 7.5 | 13.5 | 92 | 6.1 | 6.0 | 8.0 | 15.0 |
| 04 | 163 | 2.0 | 3.6 | 9.3 | 16.8 | 138 | 4.0 | 4.0 | 4.8 | 9.0 | 112 | 11.2 | 7.8 | 9.0 | 17.3 | 79 | 18.4 | 14.6 | 9.0 | 18.0 |
| 05 | 163 | 2.0 | 4.1 | 11.0 | 18.5 | 136 | 3.7 | 4.1 | 5.8 | 10.0 | 111 | 10.2 | 12.7 | 10.0 | 19.0 | 76 | 13.7 | 19.3 | 8.5 | 15.0 |
| 06 | 161 | 2.1 | 4.0 | 10.5 | 18.5 | 135 | 3.0 | 3.1 | 5.5 | 10.3 | 110 | 8.0 | 13.6 | 11.0 | 20.0 | 76 | 17.4 | 22.1 | 7.3 | 10.5 |
| 07 | 161 | 2.1 | 2.1 | 11.5 | 20.0 | 134 | 3.6 | 4.1 | 5.5 | 9.8 | 108 | 8.0 | 12.3 | 10.5 | 16.5 | 71 | 21.1 | 15.2 | 7.5 | 11.5 |
| 08 | 161 | 3.7 | 4.0 | 12.3 | 20.0 | 134 | 3.7 | 6.0 | 6.5 | 10.8 | 106 | 11.7 | 16.1 | 12.8 | 21.0 | 68 | 20.3 | 12.8 | 7.3 | 11.3 |
| 09 | 161 | 2.0 | 2.9 | *12.5 | *20.5 | 134 | 2.0 | 6.1 | * 5.5 | *10.0 | 106 | 5.5 | 22.9 | *12.0 | *21.3 | 71 | 12.8 | 14.3 | * 5.8 | *10.8 |
| 10 | 161 | 6.0 | 4.0 | 10.5 | 18.0 | 134 | 5.9 | 3.9 | 6.0 | 10.8 | 108 | 12.3 | 8.1 | 11.0 | 19.0 | 76 | 14.3 | 16.1 | 9.5 | 16.0 |
| 11 | 163 | 4.0 | 2.3 | 9.0 | 16.0 | 138 | 4.5 | 4.5 | * 6.0 | *10.5 | 112 | 10.3 | 8.6 | * 9.8 | *17.5 | 84 | 16.5 | 18.5 | 9.8 | 19.5 |
| 12 | 167 | 2.0 | 3.7 | 8.0 | 14.5 | 140 | 5.9 | 5.7 | 5.8 | 10.5 | 116 | 10.0 | 9.3 | 7.0 | 13.0 | 92 | 11.3 | 17.8 | 8.8 | 17.5 |
| 13 | 169 | 2.0 | 5.5 | 7.3 | 12.8 | 143 | 6.2 | 5.1 | 5.0 | 10.0 | 122 | 9.5 | 11.5 | 8.0 | 14.5 | 98 | 10.0 | 16.0 | 9.5 | 17.8 |
| 14 | 169 | 2.0 | 5.5 | 5.5 | 11.0 | 144 | 4.0 | 5.6 | 6.0 | 10.5 | 124 | 8.0 | 13.3 | 7.8 | 14.0 | 102 | 11.0 | 21.0 | 9.3 | 17.8 |
| 15 | 169 | 2.0 | 2.0 | 6.3 | 11.5 | 146 | 5.5 | 6.0 | 5.0 | 10.0 | 126 | 9.5 | 13.0 | 7.5 | 13.0 | 106 | 10.1 | 19.3 | 8.3 | 15.8 |
| 16 | 169 | 3.6 | 2.0 | 5.5 | 10.5 | 146 | 5.6 | 4.0 | 5.5 | 10.0 | 128 | 7.6 | 8.3 | 7.8 | 12.5 | 104 | 10.1 | 13.2 | 10.0 | 18.8 |
| 17 | 169 | 3.7 | 2.1 | 6.0 | 11.5 | 146 | 6.1 | 4.0 | 6.0 | 10.5 | 126 | 8.1 | 8.1 | 8.0 | 15.0 | 101 | 14.7 | 8.8 | 10.3 | 17.8 |
| 18 | 169 | 2.1 | 4.1 | 6.5 | 11.8 | 145 | 7.1 | 3.1 | 6.0 | 11.0 | 126 | 8.1 | 6.1 | 8.0 | 15.0 | 103 | 15.0 | 10.8 | 10.0 | 19.0 |
| 19 | 167 | 4.1 | 2.0 | 7.8 | 13.5 | 145 | 7.1 | 4.6 | 6.5 | 11.0 | 126 | 8.1 | 7.8 | 7.0 | 12.0 | 101 | 10.7 | 11.1 | 7.0 | 11.0 |
| 20 | 167 | 4.0 | 2.1 | 7.0 | 13.0 | 144 | 6.0 | 4.1 | 6.5 | 11.5 | 126 | 6.0 | 9.6 | 6.0 | 11.0 | 102 | 9.6 | 7.7 | 4.3 | 8.5 |
| 21 | 167 | 2.1 | 4.1 | 7.5 | 14.0 | 146 | 4.0 | 6.1 | 5.0 | 9.5 | 124 | 9.6 | 4.1 | 5.0 | 10.0 | 102 | 6.1 | 6.1 | 4.5 | 9.3 |
| 22 | 167 | 2.1 | 3.7 | 8.3 | 14.8 | 144 | 4.1 | 3.7 | 5.5 | 9.8 | 122 | 8.1 | 4.1 | 5.5 | 10.5 | 102 | 8.0 | 5.6 | 5.0 | 9.0 |
| 23 | 166 | 3.0 | 3.0 | 8.5 | 15.3 | 144 | 4.1 | 4.1 | 5.5 | 9.3 | 123 | 6.7 | 8.7 | 5.8 | 11.3 | 103 | 5.0 | 7.0 | 4.8 | 9.5 |

| HR. LST. | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 76 | 4.6 | 7.0 | 4.0 | 7.5 | 60 | 6.1 | 6.0 | 4.0 | 7.8 | 39 | 6.1 | 5.7 | 3.5 | 6.5 | 25 | 2.0 | 0.0 | 1.0 | 2.5 |
| 01 | 75 | 2.1 | 6.0 | 3.5 | 7.5 | 58 | 9.6 | 4.0 | 4.0 | 8.0 | 37 | 5.6 | 4.1 | 3.5 | 5.5 | 25 | 2.0 | 0.0 | 1.0 | 2.5 |
| 02 | 73 | 5.7 | 5.6 | 4.0 | 7.5 | 58 | 5.6 | 2.0 | 4.0 | 8.0 | 37 | 4.1 | 5.6 | 2.5 | 5.0 | 25 | 1.6 | 0.0 | 1.0 | 2.5 |
| 03 | 73 | 4.0 | 6.0 | 4.5 | 9.0 | 58 | 4.1 | 4.1 | 4.8 | 9.0 | 35 | 7.5 | 4.0 | 2.8 | 5.0 | 25 | | | 1.5 | 3.0 |
| 04 | 67 | 6.1 | 4.0 | 5.5 | 10.3 | 56 | 4.0 | 2.1 | 5.0 | 9.0 | 41 | 3.7 | 7.9 | 3.0 | 6.0 | 25 | | | 1.5 | 2.5 |
| 05 | 55 | 11.5 | 8.1 | 7.0 | 12.0 | 54 | 4.0 | 6.0 | 5.5 | 10.0 | 43 | 3.9 | 5.9 | 3.5 | 7.5 | 25 | 1.7 | 2.0 | 1.5 | 3.0 |
| 06 | 51 | 6.3 | 11.9 | 7.0 | 12.0 | 50 | 6.1 | 9.7 | 6.8 | 11.5 | 41 | 4.1 | 4.0 | 4.0 | 7.5 | 25 | 0.1 | 2.0 | 1.5 | 3.0 |
| 07 | 43 | 9.9 | 14.0 | 8.0 | 14.0 | 46 | 6.0 | 10.1 | 7.3 | 12.0 | 41 | 2.1 | 6.1 | 4.5 | 8.5 | 23 | 3.7 | 0.0 | 2.0 | 3.5 |
| 08 | 32 | 18.9 | 7.2 | 8.3 | 12.8 | 43 | 5.2 | 11.2 | 7.3 | 12.0 | 39 | 2.0 | 6.0 | 4.5 | 8.0 | 25 | | | 1.5 | 3.0 |
| 09 | 28 | 20.3 | 5.0 | 7.0 | 10.5 | 38 | 4.2 | 8.0 | 6.5 | 11.0 | 37 | 2.0 | 4.0 | 3.8 | 7.3 | 25 | 2.0 | 2.0 | 2.0 | 3.3 |
| 10 | 25 | 19.4 | 4.0 | 5.0 | 7.5 | 36 | 10.3 | 6.0 | 7.0 | 11.5 | 37 | 2.2 | 4.4 | 4.0 | 7.0 | 25 | 2.1 | 2.0 | 2.0 | 3.0 |
| 11 | 27 | 26.0 | 4.3 | 4.5 | 6.5 | 37 | 9.0 | 6.4 | 6.0 | 10.5 | 39 | 2.5 | 4.5 | 4.0 | 7.8 | 25 | 2.0 | 2.0 | 1.8 | 3.5 |
| 12 | 39 | 22.4 | 14.2 | 7.5 | 13.0 | 42 | 5.7 | 9.6 | 5.3 | 10.3 | 41 | 4.0 | 5.5 | 4.0 | 7.0 | 25 | 6.0 | 1.3 | 1.5 | 3.5 |
| 13 | 55 | 8.0 | 24.0 | 8.0 | 14.0 | 46 | 4.1 | 9.3 | 4.5 | 9.5 | 43 | 4.0 | 4.0 | 3.0 | 6.5 | 27 | 5.3 | 3.3 | 2.0 | 3.5 |
| 14 | 59 | 11.5 | 25.0 | 8.3 | 16.0 | 46 | 12.1 | 5.7 | 4.0 | 8.0 | 45 | 5.3 | 4.0 | 3.5 | 6.5 | 27 | 10.6 | 2.0 | 1.8 | 3.3 |
| 15 | 61 | 20.4 | 24.0 | 7.0 | 13.5 | 52 | 16.6 | 8.0 | 4.5 | 8.5 | 47 | 9.3 | 4.0 | 3.3 | 6.5 | 29 | 12.4 | 4.0 | 2.3 | 4.5 |
| 16 | 65 | 13.6 | 18.3 | 6.0 | 11.0 | 56 | 9.0 | 7.5 | 4.0 | 8.0 | 49 | 4.0 | 5.5 | 3.3 | 6.3 | 27 | 9.5 | 2.0 | 2.0 | 4.0 |
| 17 | 65 | 10.0 | 15.0 | 4.8 | 9.0 | 58 | 11.0 | 6.0 | 3.3 | 6.5 | 51 | 5.5 | 7.5 | 2.5 | 5.5 | 27 | 10.0 | 2.0 | 2.0 | 4.0 |
| 18 | 65 | 15.5 | 9.0 | 4.0 | 7.5 | 62 | 6.0 | 4.0 | 3.0 | 5.5 | 51 | 7.5 | 4.0 | 2.5 | 5.3 | 29 | 12.0 | 3.5 | 2.5 | 4.5 |
| 19 | 69 | 15.5 | 4.0 | 3.0 | 6.0 | 64 | 6.0 | 4.0 | 2.5 | 5.0 | 53 | 4.0 | 4.0 | 2.5 | 5.5 | 29 | 4.0 | 4.0 | 2.0 | 4.0 |
| 20 | 75 | 4.0 | 5.5 | 3.0 | 6.0 | 66 | 4.0 | 2.0 | 3.0 | 6.0 | 51 | 4.0 | 6.0 | 3.5 | 6.0 | 27 | 4.0 | 2.0 | 2.0 | 3.5 |
| 21 | 75 | 5.5 | 3.5 | 3.0 | 6.0 | 66 | 5.5 | 4.0 | 3.5 | 7.3 | 49 | 5.5 | 8.0 | 3.0 | 6.5 | 25 | 4.0 | 0.0 | 1.5 | 3.0 |
| 22 | 77 | 4.0 | 5.5 | 3.0 | 6.5 | 64 | 4.0 | 2.0 | 3.5 | 7.0 | 45 | 6.0 | 6.0 | 3.5 | 7.0 | 25 | 2.0 | 0.0 | 1.5 | 2.5 |
| 23 | 75 | 4.0 | 4.0 | 3.3 | 6.8 | 62 | 6.0 | 4.0 | 4.0 | 8.0 | 41 | 9.0 | 6.0 | 3.5 | 6.5 | 25 | 2.0 | 0.0 | 1.5 | 3.0 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION BILL, WYOMING LAT. 43.2 N LONG. 105.2 W AUGUST 1964

| HR. LST. | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *165 | | | * 8.0 | *14.5 | *144 | | | * 5.8 | *10.0 | *124 | | | * 5.3 | *10.5 | *104 | | | * 4.5 | * 8.5 |
| 01 | *165 | | | * 8.3 | *15.3 | *144 | | | * 5.5 | * 9.8 | *124 | | | * 5.5 | *11.0 | *104 | | | * 4.3 | * 9.0 |
| 02 | *165 | | | * 8.3 | *15.3 | *142 | | | * 5.3 | * 9.8 | *122 | | | * 5.3 | *10.8 | *102 | | | * 4.0 | * 8.8 |
| 03 | *163 | | | * 8.5 | *15.3 | *140 | | | * 5.8 | *10.5 | *120 | | | * 6.0 | *11.8 | * 98 | | | * 4.8 | *10.0 |
| 04 | *161 | | | * 8.5 | *15.8 | *138 | | | * 6.3 | *10.5 | *116 | | | * 7.8 | *14.3 | * 84 | | | * 5.0 | *10.0 |
| 05 | *161 | | | * 9.5 | *17.0 | *136 | | | * 6.8 | *10.8 | *110 | | | *10.5 | *19.0 | * 68 | | | * 8.5 | *16.0 |
| 06 | *161 | | | *10.5 | *18.5 | *134 | | | * 6.0 | *10.5 | *108 | | | *11.0 | *20.0 | * 64 | | | * 7.8 | *13.5 |
| 07 | *161 | | | *10.3 | *18.3 | *132 | | | * 6.3 | *10.5 | *104 | | | *12.0 | *21.3 | * 60 | | | * 7.5 | *12.0 |
| 08 | *161 | | | *11.5 | *19.8 | *130 | | | * 6.0 | *10.5 | *106 | | | *11.0 | *21.0 | * 64 | | | * 7.0 | *10.5 |
| 09 | *160 | | | *10.3 | *18.5 | *131 | | | * 6.3 | *10.8 | *104 | | | *11.8 | *21.0 | * 63 | | | * 6.8 | *10.3 |
| 10 | *161 | | | *10.5 | *18.8 | *132 | | | * 6.0 | *10.5 | *104 | | | *12.0 | *21.0 | * 66 | | | * 6.0 | *11.5 |
| 11 | *163 | | | *10.5 | *18.5 | *134 | | | * 5.5 | * 9.5 | *104 | | | *11.5 | *19.5 | * 74 | | | *10.0 | *17.5 |
| 12 | *165 | | | * 8.5 | *15.5 | *138 | | | * 7.0 | *11.0 | *112 | | | *11.0 | *19.5 | * 82 | | | *10.3 | *18.3 |
| 13 | *167 | | | * 7.8 | *14.0 | *141 | | | * 6.3 | *11.0 | *114 | | | *10.0 | *18.5 | * 92 | | | * 9.3 | *16.5 |
| 14 | *167 | | | * 6.5 | *13.0 | *142 | | | * 5.5 | *10.5 | *121 | | | * 8.3 | *16.5 | * 92 | | | * 7.5 | *14.8 |
| 15 | *169 | | | * 7.5 | *13.0 | *143 | | | * 6.3 | *10.8 | *118 | | | * 6.8 | *13.5 | * 96 | | | * 7.0 | *14.0 |
| 16 | *169 | | | * 5.5 | *11.0 | *144 | | | * 6.0 | *10.5 | *124 | | | * 8.0 | *15.0 | * 98 | | | * 7.5 | *16.0 |
| 17 | *169 | | | * 7.0 | *12.5 | *144 | | | * 6.5 | *11.0 | *124 | | | * 7.5 | *13.5 | * 98 | | | * 7.5 | *14.5 |
| 18 | *167 | | | * 6.5 | *12.0 | *144 | | | * 6.0 | *10.5 | *122 | | | * 6.5 | *12.5 | * 96 | | | * 6.5 | *13.0 |
| 19 | *167 | | | * 6.5 | *12.0 | *146 | | | * 5.5 | *10.0 | *124 | | | * 5.5 | *10.5 | *102 | | | * 4.0 | * 8.0 |
| 20 | *167 | | | * 7.0 | *13.5 | *146 | | | * 6.0 | *11.0 | *126 | | | * 5.0 | *10.0 | *102 | | | * 3.0 | * 7.0 |
| 21 | *167 | | | * 7.0 | *13.5 | *144 | | | * 5.5 | *10.0 | *126 | | | * 4.5 | * 9.3 | *104 | | | * 3.0 | * 7.0 |
| 22 | *167 | | | * 8.0 | *14.5 | *146 | | | * 5.5 | *10.0 | *124 | | | * 4.0 | * 9.0 | *106 | | | * 3.5 | * 7.5 |
| 23 | *167 | | | * 8.0 | *14.5 | *144 | | | * 5.5 | *10.0 | *124 | | | * 5.0 | *10.5 | *106 | | | * 3.0 | * 7.0 |

| HR. LST. | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 77 | | | * 3.5 | * 7.0 | * 58 | | | * 3.0 | * 6.0 | * 40 | | | * 2.5 | * 4.0 | * 26 | | | * 0.5 | * 2.0 |
| 01 | * 75 | | | * 3.0 | * 6.5 | * 58 | | | * 4.5 | * 7.5 | * 40 | | | * 1.5 | * 3.0 | * 26 | | | * 0.5 | * 2.0 |
| 02 | * 75 | | | * 4.0 | * 8.0 | * 60 | | | * 4.5 | * 8.0 | * 38 | | | * 2.0 | * 4.0 | * 26 | | | * 1.0 | * 2.5 |
| 03 | * 73 | | | * 3.5 | * 8.0 | * 58 | | | * 4.0 | * 7.5 | * 34 | | | * 1.5 | * 3.5 | * 26 | | | * 1.0 | * 2.5 |
| 04 | * 73 | | | * 5.0 | *10.0 | * 56 | | | * 5.0 | * 9.0 | * 36 | | | * 3.5 | * 5.5 | * 26 | | | * 1.5 | * 3.0 |
| 05 | * 61 | | | * 6.0 | *10.5 | * 58 | | | * 5.0 | * 9.5 | * 44 | | | * 3.0 | * 6.0 | * 26 | | | * 2.0 | * 3.0 |
| 06 | * 51 | | | * 7.5 | *12.5 | * 50 | | | * 5.5 | *10.0 | * 42 | | | * 4.5 | * 8.0 | * 26 | | | * 1.0 | * 2.0 |
| 07 | * 39 | | | * 8.3 | *13.5 | * 44 | | | * 5.5 | * 9.5 | * 40 | | | * 3.5 | * 5.5 | * 26 | | | * 1.5 | * 2.5 |
| 08 | * 29 | | | * 5.0 | * 8.5 | * 39 | | | * 6.5 | *10.0 | * 38 | | | * 2.8 | * 5.3 | * 26 | | | * 0.8 | * 2.0 |
| 09 | * 25 | | | * 3.5 | * 5.5 | * 36 | | | * 4.0 | * 7.5 | * 36 | | | * 4.3 | * 7.3 | * 26 | | | * 1.8 | * 3.3 |
| 10 | * 25 | | | * 5.5 | * 8.0 | * 34 | | | * 6.5 | *10.3 | * 36 | | | * 3.3 | * 6.0 | * 26 | | | * 1.0 | * 2.5 |
| 11 | * 27 | | | * 8.0 | *10.8 | * 36 | | | * 7.0 | *10.8 | * 36 | | | * 3.3 | * 6.8 | * 26 | | | * 1.5 | * 2.8 |
| 12 | * 31 | | | * 7.3 | *13.0 | * 42 | | | * 6.5 | *11.3 | * 38 | | | * 4.0 | * 7.3 | * 26 | | | * 1.0 | * 2.3 |
| 13 | * 49 | | | *10.8 | *17.0 | * 42 | | | * 5.8 | *10.3 | * 40 | | | * 3.3 | * 6.5 | * 26 | | | * 0.8 | * 2.5 |
| 14 | * 55 | | | *10.5 | *17.0 | * 46 | | | * 5.5 | *10.0 | * 42 | | | * 3.3 | * 6.8 | * 28 | | | * 1.8 | * 3.3 |
| 15 | * 51 | | | * 7.5 | *13.0 | * 51 | | | * 5.0 | * 9.3 | * 44 | | | * 3.0 | * 5.8 | * 27 | | | * 1.3 | * 2.5 |
| 16 | * 51 | | | * 4.5 | * 9.3 | * 54 | | | * 4.0 | * 8.0 | * 48 | | | * 2.5 | * 5.3 | * 28 | | | * 1.3 | * 2.5 |
| 17 | * 61 | | | * 4.5 | * 8.8 | * 58 | | | * 2.8 | * 6.0 | * 50 | | | * 3.0 | * 5.5 | * 28 | | | * 1.5 | * 3.0 |
| 18 | * 67 | | | * 4.5 | * 8.5 | * 62 | | | * 2.0 | * 5.0 | * 50 | | | * 2.5 | * 5.0 | * 28 | | | * 0.8 | * 2.3 |
| 19 | * 73 | | | * 2.5 | * 5.8 | * 66 | | | * 2.0 | * 4.8 | * 52 | | | * 2.3 | * 5.0 | * 28 | | | * 1.0 | * 2.5 |
| 20 | * 77 | | | * 2.8 | * 5.5 | * 68 | | | * 2.5 | * 5.8 | * 50 | | | * 4.3 | * 7.8 | * 26 | | | * 1.0 | * 2.0 |
| 21 | * 79 | | | * 2.3 | * 5.0 | * 64 | | | * 2.5 | * 5.5 | * 46 | | | * 2.3 | * 4.8 | * 26 | | | * 0.8 | * 2.3 |
| 22 | * 77 | | | * 3.0 | * 6.0 | * 64 | | | * 3.3 | * 6.5 | * 44 | | | * 3.5 | * 6.5 | * 26 | | | * 1.5 | * 3.0 |
| 23 | * 79 | | | * 2.8 | * 5.8 | * 58 | | | * 3.5 | * 7.0 | * 42 | | | * 3.5 | * 6.0 | * 26 | | | * 0.5 | * 2.0 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION BOULDER, COLORADO LAT. 40.1 N LONG. 105.1 W JUNE 1964

| HR. GMT | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *167 | | | * 9.0 | *14.5 | *147 | | | * 7.0 | *10.8 | 125 | 5.5 | 10.9 | * 6.0 | *12.0 | 100 | 10.3 | 7.9 | * 5.5 | *10.5 |
| 01 | *169 | | | *11.5 | *18.0 | *143 | | | * 8.0 | *10.5 | 121 | 7.5 | 5.3 | * 6.0 | *12.0 | 99 | 7.3 | 8.7 | * 7.5 | *15.0 |
| 02 | *166 | | | *13.0 | *18.5 | *143 | | | * 6.8 | *11.0 | 122 | 4.3 | 9.9 | * 7.3 | *14.0 | 98 | 10.0 | 8.3 | * 7.5 | *14.0 |
| 03 | *163 | | | *13.0 | *20.0 | *140 | | | * 7.5 | *12.0 | 118 | 6.1 | 10.6 | * 9.5 | *18.5 | 88 | 8.0 | 4.6 | * 9.5 | *17.5 |
| 04 | *165 | | | *13.5 | *20.0 | *135 | | | *11.3 | *17.3 | 110 | 10.0 | 20.6 | *14.0 | *17.8 | 74 | 12.5 | 10.0 | * 4.3 | * 8.0 |
| 05 | *163 | | | *14.5 | *20.0 | *131 | | | * 6.0 | *10.5 | 108 | 11.1 | 14.8 | *12.5 | *18.5 | 72 | 14.7 | 8.2 | * 3.5 | * 6.5 |
| 06 | *163 | | | *14.0 | *21.0 | *131 | | | * 6.0 | *10.5 | 106 | 13.1 | 11.4 | | | 72 | 16.4 | 6.4 | * 3.0 | * 7.0 |
| 07 | *162 | | | *14.5 | *21.0 | *129 | | | * 5.0 | * 9.5 | *105 | | | *11.5 | *17.0 | 70 | 21.1 | 6.3 | * 2.8 | * 5.5 |
| 08 | *163 | | | *14.5 | *21.0 | *129 | | | * 6.0 | *11.5 | *102 | | | * 7.8 | *10.3 | * 70 | | | * 2.0 | * 4.0 |
| 09 | *161 | | | *14.5 | *21.0 | *131 | | | * 4.0 | * 8.5 | * 98 | | | * 6.0 | * 8.0 | 70 | 18.2 | 9.4 | * 1.5 | * 3.0 |
| 10 | *163 | | | *12.5 | *19.8 | *131 | | | * 7.0 | *11.0 | *104 | | | * 9.5 | *14.0 | * 68 | | | * 4.5 | * 7.0 |
| 11 | *165 | | | * 9.8 | *17.3 | *133 | | | * 5.3 | * 9.5 | *109 | | | * 9.0 | *13.8 | * 76 | | | * 3.8 | * 5.8 |
| 12 | *167 | | | * 9.5 | *15.3 | *137 | | | * 6.3 | * 9.5 | 112 | 20.0 | 12.3 | * 8.3 | *12.8 | 76 | 38.8 | 12.3 | * 4.0 | * 6.0 |
| 13 | *170 | | | * 9.3 | *14.0 | *141 | | | * 5.0 | * 8.0 | *112 | | | * 6.0 | *10.0 | * 84 | | | | |
| 14 | *170 | | | * 7.0 | *11.0 | *143 | | | * 5.5 | * 9.0 | *122 | | | *10.8 | *16.3 | * 96 | | | * 6.0 | * 8.3 |
| 15 | *171 | | | * 8.0 | *12.8 | *143 | | | * 5.3 | * 9.0 | *126 | | | * 6.5 | *10.5 | * 98 | | | * 5.8 | * 8.0 |
| 16 | 171 | 4.0 | 3.9 | * 8.8 | *13.5 | 144 | 9.4 | 8.9 | * 8.0 | *10.0 | 126 | 9.5 | 19.5 | * 6.5 | *12.0 | 98 | 16.0 | 17.0 | * 3.0 | * 6.0 |
| 17 | 171 | 4.0 | 4.0 | * 7.3 | *12.8 | 149 | 4.6 | 14.0 | * 6.0 | *10.0 | 126 | 14.4 | 16.0 | * 7.0 | *11.0 | 98 | 24.2 | 18.1 | * 2.5 | * 5.5 |
| 18 | 171 | 4.0 | 5.6 | * 7.8 | *13.0 | 146 | 5.5 | 11.1 | * 6.0 | *10.0 | 126 | 8.0 | 20.0 | * 7.0 | * 9.5 | 98 | 19.1 | 24.5 | * 3.8 | * 7.3 |
| 19 | 169 | 5.9 | 5.6 | * 9.5 | *15.0 | 145 | 6.4 | 12.1 | * 5.8 | * 9.0 | 128 | 6.0 | 17.5 | * 6.0 | * 9.5 | 99 | 16.7 | 14.7 | * 4.3 | * 9.0 |
| 20 | 170 | 4.7 | 7.1 | *10.0 | *15.0 | 149 | 6.0 | 15.6 | * 7.0 | *11.5 | 128 | 9.5 | 13.5 | * 4.5 | * 8.5 | 99 | 18.7 | 9.1 | * 4.5 | * 8.0 |
| 21 | 170 | 5.1 | 6.7 | * 9.0 | *15.0 | 149 | 7.3 | 13.7 | * 6.5 | *10.3 | 126 | 9.5 | 8.0 | * 5.8 | *11.0 | 99 | 19.8 | 8.6 | * 5.0 | * 9.3 |
| 22 | 169 | 4.1 | 6.0 | *11.8 | *16.8 | 147 | 6.3 | 12.3 | * 7.0 | *11.3 | 126 | 7.5 | 10.0 | * 5.0 | * 9.8 | 99 | 13.3 | 7.1 | * 5.0 | * 9.8 |
| 23 | 168 | 6.6 | 5.1 | *10.3 | *17.0 | *145 | | | * 8.0 | *12.0 | 126 | 7.5 | 11.0 | * 5.0 | *10.0 | 100 | 13.8 | 8.1 | * 6.3 | *12.5 |

| HR. GMT | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 74 | 6.0 | 10.0 | * 4.5 | * 7.5 | 62 | 6.5 | 9.5 | * 4.0 | * 7.0 | 44 | 10.3 | 8.8 | * 5.0 | * 8.0 | 25 | 4.0 | 2.0 | * 1.0 | * 2.5 |
| 01 | 74 | 6.0 | 14.0 | * 4.5 | * 7.5 | 61 | 8.6 | 11.8 | * 5.0 | * 8.5 | 43 | 10.0 | 9.3 | * 4.3 | * 7.0 | 25 | 2.0 | 2.0 | * 2.5 | * 4.0 |
| 02 | 70 | 8.0 | 10.0 | * 4.5 | * 7.5 | 60 | 7.7 | 9.0 | * 4.3 | * 7.5 | 43 | 8.0 | 8.0 | * 4.0 | * 7.0 | 25 | 2.0 | 2.0 | * 1.0 | * 3.0 |
| 03 | 72 | 5.3 | 13.3 | * 5.0 | * 7.5 | 59 | 7.7 | 9.0 | * 5.0 | *10.0 | 41 | 7.5 | 8.0 | * 5.0 | * 8.0 | 25 | | | * 1.8 | * 3.3 |
| 04 | 61 | 9.0 | 5.0 | * 7.5 | *11.8 | 55 | 6.0 | 4.0 | * 6.3 | *10.0 | 43 | 4.0 | 4.0 | * 5.0 | * 6.8 | 25 | 1.3 | 2.0 | * 1.5 | * 3.5 |
| 05 | 50 | 8.0 | 9.3 | * 6.5 | *10.0 | 53 | 7.6 | 7.3 | * 5.8 | * 9.8 | 41 | 8.0 | 4.0 | * 5.5 | * 8.3 | 25 | | | * 2.0 | * 3.5 |
| 06 | 45 | 10.1 | 6.3 | | | 48 | 7.0 | 7.0 | * 7.0 | *10.8 | 41 | 5.3 | 4.0 | * 6.5 | * 9.5 | 25 | 6.0 | 2.0 | * 3.3 | * 4.5 |
| 07 | 44 | 13.1 | 6.0 | * 4.0 | * 6.3 | 42 | 10.9 | 5.1 | * 7.0 | *10.0 | 39 | 5.5 | 4.0 | * 5.5 | * 8.5 | 25 | 6.0 | 2.0 | * 4.0 | * 6.0 |
| 08 | 44 | 6.0 | 7.5 | * 2.5 | * 4.3 | 40 | 10.1 | 5.1 | * 6.5 | * 9.5 | 37 | 5.5 | 3.5 | * 5.8 | * 8.5 | 26 | 3.1 | 3.0 | * 3.5 | * 5.0 |
| 09 | 44 | 8.7 | 4.1 | * 3.5 | * 5.0 | 39 | 9.9 | 4.6 | * 6.3 | * 9.0 | 36 | 7.6 | 5.0 | * 4.3 | * 6.8 | 25 | 5.3 | 2.0 | * 3.0 | * 5.0 |
| 10 | 43 | 9.4 | 5.0 | * 4.8 | * 6.5 | 41 | 14.4 | 9.5 | * 5.3 | * 7.8 | 37 | 9.3 | 5.3 | * 6.0 | * 8.5 | 25 | 6.1 | 2.1 | * 2.8 | * 5.0 |
| 11 | * 46 | | | | | 42 | 21.0 | 9.1 | * 5.0 | * 8.5 | 38 | 11.0 | 6.3 | * 4.8 | * 7.5 | 27 | 6.0 | 4.0 | * 2.0 | * 4.0 |
| 12 | 44 | 33.3 | 7.6 | * 4.0 | * 6.0 | 43 | 22.1 | 10.1 | * 5.5 | * 8.3 | 38 | 11.3 | 4.8 | * 5.5 | * 8.5 | 27 | 11.9 | 4.0 | * 2.8 | * 4.8 |
| 13 | 50 | 24.4 | 11.2 | * 5.5 | * 7.5 | 42 | 24.5 | 7.6 | * 3.5 | * 6.0 | 41 | 17.4 | 7.5 | * 4.5 | * 7.0 | 27 | 17.1 | 4.0 | * 5.0 | * 7.0 |
| 14 | * 54 | | | * 5.8 | * 9.3 | * 47 | | | * 4.5 | * 6.0 | 43 | 16.6 | 6.3 | * 4.5 | * 7.5 | * 29 | | | * 3.5 | * 6.0 |
| 15 | * 50 | | | * 9.3 | *11.3 | * 50 | | | * 5.0 | * 9.0 | * 47 | | | * 3.5 | * 6.0 | 27 | 12.3 | 2.3 | * 5.8 | * 8.0 |
| 16 | 55 | 24.8 | 20.6 | | | 55 | 9.3 | 15.3 | * 5.0 | * 8.5 | 48 | 3.0 | 10.8 | * 4.5 | * 6.0 | 29 | 8.2 | 6.0 | * 4.0 | * 6.0 |
| 17 | 54 | 23.1 | 14.0 | * 7.5 | *11.5 | 57 | 10.0 | 12.0 | * 4.5 | * 7.0 | 51 | 7.0 | 7.0 | * 4.0 | * 6.0 | 29 | 14.5 | 4.0 | * 4.0 | * 6.5 |
| 18 | 64 | 18.8 | 22.9 | * 6.8 | *10.8 | 63 | 7.3 | 18.4 | * 5.0 | * 7.5 | 53 | 6.0 | 14.4 | * 3.5 | * 5.5 | 29 | 9.2 | 6.0 | * 3.3 | * 5.0 |
| 19 | 66 | 12.0 | 16.0 | * 4.5 | * 7.0 | 65 | 6.0 | 9.1 | * 4.0 | * 6.3 | 53 | 5.1 | 11.2 | * 5.0 | * 8.0 | 31 | 7.8 | 8.0 | *10.0 | *13.5 |
| 20 | 72 | 10.0 | 10.0 | * 4.3 | * 7.0 | 67 | 6.0 | 10.2 | * 4.0 | * 7.0 | 51 | 6.0 | 6.0 | * 4.8 | * 6.8 | 27 | 11.3 | 4.0 | * 3.0 | * 5.0 |
| 21 | 74 | 10.0 | 9.1 | * 4.0 | * 7.0 | 65 | 8.0 | 6.0 | * 4.0 | * 7.0 | 51 | 6.0 | 7.1 | * 7.8 | * 9.8 | 25 | 14.3 | 1.1 | * 3.0 | * 4.5 |
| 22 | 76 | 8.0 | 12.0 | * 4.0 | * 6.5 | 66 | 6.5 | 7.5 | * 4.0 | * 7.0 | 51 | 5.3 | 12.0 | * 7.0 | * 8.5 | 25 | 10.0 | 2.0 | * 2.8 | * 3.3 |
| 23 | 74 | 7.1 | 10.0 | * 3.0 | * 6.0 | 63 | 7.5 | 8.0 | * 3.5 | * 7.0 | 47 | 9.5 | 7.5 | * 4.8 | * 7.3 | 25 | 5.1 | 2.0 | * 4.0 | * 6.0 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION BOULDER, COLORADO LAT. 40.1 N LONG. 105.1 W JULY 1964

| HR. LST | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 166 | 3.7 | 2.1 | * 8.5 | *14.0 | *140 | | | | | 120 | 6.0 | 8.0 | * 5.5 | *10.0 | 100 | 4.9 | 6.0 | * 5.8 | * 9.5 |
| 01 | 166 | 2.3 | 4.0 | *10.3 | *15.8 | *136 | | | * 6.0 | *10.0 | 120 | 4.7 | 8.0 | * 6.3 | *10.8 | 100 | 6.0 | 3.3 | * 4.0 | * 8.5 |
| 02 | 166 | 2.3 | 2.3 | *10.0 | *15.5 | *138 | | | * 4.5 | * 9.0 | 118 | 6.0 | 6.0 | * 5.0 | *10.3 | 100 | 4.0 | 7.5 | * 5.0 | * 9.8 |
| 03 | 164 | 4.0 | 4.0 | *10.5 | *16.8 | *137 | | | * 7.0 | *11.0 | 118 | 4.0 | 6.0 | * 6.0 | *11.5 | 93 | 8.7 | 8.3 | * 5.5 | *11.0 |
| 04 | 164 | 4.0 | 6.1 | * 9.5 | *15.8 | *130 | | | * 5.3 | * 9.5 | 112 | 6.0 | 14.0 | * 7.5 | *12.5 | 76 | 10.0 | 7.5 | * 8.0 | *14.0 |
| 05 | 164 | 4.0 | 5.8 | *10.0 | *15.0 | *126 | | | * 6.0 | * 9.0 | 110 | 6.0 | 17.1 | *11.0 | *16.0 | 74 | 12.9 | 10.9 | * 5.3 | * 8.5 |
| 06 | 164 | 4.1 | 6.2 | *11.5 | *18.0 | *126 | | | * 7.5 | *11.5 | 105 | 9.0 | 14.3 | * 9.5 | *15.0 | 70 | 17.1 | 8.0 | * 6.0 | * 9.0 |
| 07 | 163 | 4.7 | 5.0 | *11.5 | *18.0 | *126 | | | * 4.0 | * 8.0 | 102 | 11.1 | 13.1 | *10.0 | *15.0 | 70 | 16.2 | 8.0 | * 3.5 | * 5.8 |
| 08 | 163 | 3.2 | 4.9 | *10.3 | *17.3 | *125 | | | * 4.3 | * 8.3 | 105 | 10.7 | 16.8 | * 6.8 | *10.8 | 68 | 20.0 | 6.1 | * 3.0 | * 5.0 |
| 09 | *164 | | | *13.5 | *19.0 | *125 | | | * 5.8 | * 9.8 | 105 | 14.7 | 15.2 | * 7.0 | *11.0 | 69 | 17.6 | 6.3 | * 8.5 | *11.8 |
| 10 | *164 | | | *10.0 | *16.0 | *130 | | | * 6.0 | *10.0 | 110 | 10.3 | 18.5 | * 9.8 | *14.8 | 72 | 15.4 | 8.0 | * 4.8 | * 7.0 |
| 11 | 164 | 6.1 | 4.2 | * 9.0 | *14.8 | *132 | | | * 6.0 | *10.0 | 112 | 18.3 | 12.3 | * 7.0 | *15.5 | 81 | 22.0 | 13.0 | * 7.0 | *11.0 |
| 12 | 168 | 4.0 | 4.0 | *10.8 | *16.8 | *136 | | | * 6.5 | *11.0 | 120 | 13.5 | 15.4 | *10.0 | *15.0 | 98 | 11.0 | 26.9 | *10.8 | *16.5 |
| 13 | 170 | 4.0 | 3.5 | * 9.0 | *14.5 | *140 | | | * 6.0 | *11.0 | 118 | 11.2 | 12.3 | * 6.5 | *13.5 | 104 | 7.4 | 29.2 | * 9.0 | *13.5 |
| 14 | 172 | 2.0 | 4.1 | * 7.5 | *13.3 | *144 | | | * 8.8 | *13.5 | 122 | 12.4 | 16.4 | * 9.5 | *14.5 | 107 | 7.2 | 32.1 | *10.0 | *17.5 |
| 15 | 172 | 2.2 | 2.2 | * 6.5 | *12.0 | *146 | | | * 6.3 | *10.3 | 126 | 8.2 | 14.2 | * 7.5 | *12.0 | 104 | 10.1 | 21.1 | *11.8 | *17.5 |
| 16 | 172 | 2.0 | 2.9 | * 6.0 | *10.0 | *146 | | | * 8.0 | *12.5 | 126 | 10.0 | 14.0 | * 9.0 | *14.3 | 104 | 12.0 | 19.4 | *10.0 | *17.5 |
| 17 | 172 | 3.1 | 5.1 | * 7.0 | *11.0 | 146 | 4.3 | 12.8 | * 6.8 | *11.3 | 126 | 6.0 | 14.0 | * 7.8 | *11.5 | 102 | 12.6 | 21.5 | * 9.0 | *13.5 |
| 18 | 171 | 3.0 | 5.0 | * 7.0 | *11.5 | *144 | | | * 6.0 | *11.0 | 126 | 7.8 | 12.9 | * 5.0 | *10.0 | 102 | 13.2 | 24.2 | * 6.3 | *10.5 |
| 19 | 170 | 4.0 | 5.5 | * 6.8 | *11.3 | *146 | | | * 5.5 | *10.0 | 122 | 10.0 | 10.0 | * 5.5 | * 9.8 | 104 | 10.4 | 10.0 | * 5.5 | *10.5 |
| 20 | 168 | 6.0 | 4.0 | * 7.0 | *11.5 | *144 | | | * 8.0 | *13.0 | 122 | 12.0 | 10.0 | * 5.5 | * 8.8 | 105 | 8.6 | 10.4 | * 4.5 | * 9.0 |
| 21 | 168 | 6.5 | 4.0 | * 9.0 | *13.5 | *142 | | | * 5.5 | *10.0 | 122 | 6.9 | 8.9 | * 6.0 | *10.0 | 103 | 7.3 | 8.4 | * 5.3 | * 9.0 |
| 22 | 168 | 5.6 | 4.0 | * 8.5 | *14.3 | *140 | | | * 6.8 | *12.0 | 120 | 8.9 | 6.0 | * 5.8 | *10.3 | 102 | 6.1 | 10.5 | * 4.8 | * 8.0 |
| 23 | 167 | 6.6 | 3.0 | * 8.0 | *12.0 | *140 | | | * 8.0 | *12.5 | 118 | 10.0 | 6.0 | * 6.3 | *10.5 | 100 | 6.0 | 7.0 | * 5.8 | *10.0 |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 71 | 5.0 | 4.5 | 5.5 | 10.0 | 61 | 4.7 | 4.7 | 5.5 | 9.0 | 40 | 6.5 | 6.0 | 5.0 | 8.0 | 25 | 2.0 | 2.0 | * 2.0 | * 3.5 |
| 01 | 71 | 6.0 | 6.0 | 5.0 | 9.0 | 61 | 4.0 | 4.7 | * 5.5 | * 9.5 | 38 | 5.0 | 6.0 | * 5.0 | * 6.5 | 25 | 2.0 | 2.0 | 2.0 | 3.3 |
| 02 | 71 | 4.5 | 4.5 | 6.0 | 10.5 | 61 | 4.0 | 4.9 | * 5.0 | * 9.0 | 38 | 8.5 | 4.0 | * 4.5 | * 7.5 | 25 | 2.0 | 2.0 | 2.5 | 4.0 |
| 03 | 71 | 4.0 | 6.0 | 5.5 | 9.0 | 59 | 4.7 | 4.0 | 5.8 | 10.0 | 36 | 10.0 | 4.0 | * 4.0 | * 6.0 | 25 | | | 2.5 | 4.0 |
| 04 | 65 | 4.7 | 4.7 | * 6.5 | *11.0 | 59 | 4.9 | 3.8 | * 6.0 | *10.5 | 42 | 2.7 | 2.0 | * 5.5 | * 9.0 | 25 | 2.0 | 2.0 | 2.3 | 3.8 |
| 05 | 55 | 7.4 | 6.7 | * 6.0 | * 9.0 | 57 | 2.0 | 7.1 | * 6.5 | *10.0 | 43 | 3.9 | 3.0 | * 5.8 | * 9.0 | 25 | 2.0 | 2.0 | * 2.5 | * 4.0 |
| 06 | 47 | 6.0 | 4.7 | * 7.3 | * 9.5 | 51 | 8.0 | 6.0 | * 7.5 | *10.5 | 42 | 4.0 | 2.7 | 5.8 | 8.8 | 25 | 4.0 | 2.0 | 2.8 | 4.3 |
| 07 | 43 | 4.7 | 2.0 | * 5.0 | * 7.0 | 47 | 5.0 | 7.5 | * 6.3 | * 9.5 | 40 | 4.0 | 2.7 | * 5.5 | * 9.0 | 25 | 6.0 | 2.0 | 2.5 | 4.0 |
| 08 | 43 | 6.0 | 2.7 | * 5.3 | * 6.5 | 43 | 8.0 | 6.0 | * 4.5 | * 7.5 | 39 | 4.3 | 4.3 | * 5.3 | * 7.8 | 25 | 4.9 | 2.0 | * 2.5 | * 4.3 |
| 09 | 41 | 5.6 | 2.1 | * 4.8 | * 7.3 | 41 | 6.2 | 5.7 | * 5.0 | * 7.3 | 38 | 5.5 | 3.5 | * 6.0 | * 9.0 | 27 | 3.4 | 4.0 | * 2.5 | * 4.5 |
| 10 | 43 | 4.6 | 2.1 | | | 39 | 6.8 | 2.0 | * 6.0 | * 8.5 | 38 | 5.1 | 3.1 | * 5.0 | * 7.8 | 27 | 5.8 | 4.0 | * 4.0 | * 6.0 |
| 11 | 45 | 10.2 | 5.6 | * 2.5 | * 4.0 | 43 | 7.1 | 6.0 | * 3.8 | * 6.0 | 40 | 4.0 | 4.0 | * 5.0 | * 7.0 | 27 | 7.1 | 4.0 | * 3.0 | * 5.0 |
| 12 | 53 | 16.6 | 10.0 | *13.0 | *18.0 | 49 | 11.3 | 9.3 | * 5.5 | * 9.3 | 44 | 4.6 | 6.0 | 5.0 | 8.0 | 28 | 7.9 | 3.0 | 3.3 | 5.8 |
| 13 | 59 | 11.8 | 14.0 | * 8.0 | *11.5 | 51 | 10.2 | 9.1 | * 5.0 | * 6.5 | 44 | 4.9 | 2.0 | * 4.3 | * 7.3 | 29 | 8.0 | 4.0 | * 3.3 | * 5.0 |
| 14 | 62 | 10.6 | 14.7 | * 9.0 | *12.5 | 54 | 9.0 | 12.3 | * 7.0 | *10.0 | 47 | 4.3 | 5.0 | 4.5 | 7.0 | 31 | 6.0 | 6.0 | * 4.0 | * 6.5 |
| 15 | 63 | 16.4 | 19.0 | * 7.0 | *14.0 | 55 | 10.8 | 10.1 | * 7.0 | *12.0 | 48 | 4.0 | 4.0 | * 3.5 | * 6.8 | 31 | 6.0 | 4.0 | 3.5 | 5.0 |
| 16 | 63 | 10.9 | 12.9 | *10.3 | *15.0 | 59 | 6.6 | 11.3 | * 5.3 | * 9.0 | 50 | 8.0 | 6.0 | 4.0 | 6.5 | 29 | 11.3 | 4.0 | * 2.5 | * 4.5 |
| 17 | 63 | 16.9 | 10.9 | * 5.5 | * 9.0 | 61 | 10.0 | 8.0 | 4.5 | 7.5 | 52 | 3.4 | 2.0 | 4.0 | 6.0 | 29 | 9.4 | 4.0 | 3.5 | 5.0 |
| 18 | 66 | 13.9 | 10.8 | * 6.8 | *10.8 | 63 | 8.7 | 4.7 | 4.0 | 7.0 | 52 | 8.7 | 2.7 | 4.0 | 6.5 | 29 | 14.7 | 2.0 | 4.0 | 6.0 |
| 19 | 67 | 10.7 | 6.7 | 4.8 | 8.3 | 65 | 8.0 | 2.7 | * 4.0 | * 6.5 | 52 | 4.7 | 2.7 | 4.0 | 6.3 | 29 | 5.3 | 4.0 | * 3.0 | * 4.5 |
| 20 | 73 | 6.7 | 4.0 | 4.5 | 8.0 | 67 | 5.4 | 4.0 | * 4.3 | * 7.3 | 50 | 6.7 | 2.7 | 4.5 | 7.0 | 27 | 11.5 | 2.0 | * 3.0 | * 4.0 |
| 21 | 73 | 8.7 | 4.7 | 4.3 | 7.8 | 67 | 4.0 | 4.0 | * 4.0 | * 8.0 | 48 | 4.0 | 5.1 | * 4.0 | * 6.0 | 27 | 8.7 | 2.0 | 1.8 | 3.8 |
| 22 | 73 | 10.0 | 4.9 | * 5.0 | * 8.5 | 65 | 4.9 | 4.9 | * 5.0 | * 9.0 | 46 | 6.9 | 5.8 | 6.0 | 8.5 | 26 | 5.0 | 1.0 | 3.0 | 4.0 |
| 23 | 73 | 2.9 | 5.8 | 5.5 | 10.0 | 63 | 4.0 | 4.0 | 6.0 | 10.0 | 43 | 5.9 | 5.9 | * 5.5 | * 8.8 | 25 | 2.7 | 2.0 | * 2.0 | * 3.5 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{om}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION BOULDER, COLORADO LAT. 40.1 N LONG. 105.1 W AUGUST 1964

| HR. LST | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 166 | 4.1 | 5.7 | * 9.5 | *15.5 | *140 | | | | | 118 | 6.3 | 7.5 | * 4.5 | * 8.0 | 104 | 3.5 | 6.0 | * 5.0 | * 9.3 |
| 01 | 164 | 5.5 | 5.0 | * 8.8 | *15.0 | *139 | | | * 7.0 | *12.0 | 118 | 5.9 | 7.6 | * 6.0 | *10.0 | 104 | 2.1 | 7.7 | * 5.0 | * 9.8 |
| 02 | 166 | 3.6 | 7.7 | * 9.5 | *16.5 | *139 | | | | | 118 | 4.0 | 7.0 | * 6.8 | *11.8 | 104 | 2.1 | 7.6 | * 5.5 | *11.0 |
| 03 | 164 | 4.0 | 5.7 | *10.0 | *16.8 | *137 | | | | | 118 | 3.5 | 8.0 | | | 104 | 0.1 | 7.6 | * 7.0 | *13.8 |
| 04 | 164 | 2.0 | 7.0 | *11.3 | *18.0 | 135 | 4.6 | 6.6 | | | 112 | 6.0 | 9.7 | | | 90 | 6.6 | 12.0 | *10.0 | *17.0 |
| 05 | 164 | 2.2 | 6.0 | *14.0 | *21.0 | *132 | | | *10.5 | *16.0 | 108 | 6.3 | 18.6 | | | 76 | 10.0 | 12.0 | | |
| 06 | 164 | 3.7 | 6.1 | *12.0 | *17.5 | *130 | | | *10.5 | *14.0 | *105 | | | | | 70 | 12.8 | 8.0 | * 4.5 | * 6.5 |
| 07 | 164 | 0.3 | 7.7 | *15.0 | *21.5 | *129 | | | | | 102 | 8.3 | 8.3 | | | * 72 | | | * 4.0 | * 7.0 |
| 08 | 162 | 2.0 | 4.0 | *13.0 | *20.0 | *127 | | | * 6.0 | *11.0 | *104 | | | *10.5 | *17.5 | 70 | 11.1 | 6.3 | * 2.0 | * 4.0 |
| 09 | 160 | 4.0 | 5.5 | *11.8 | *18.8 | *129 | | | *10.0 | *14.0 | *104 | | | | | * 68 | | | * 7.3 | *11.0 |
| 10 | 164 | 0.0 | 6.9 | *12.0 | *19.0 | *131 | | | *10.5 | *14.8 | *103 | | | *17.0 | *22.5 | 70 | 31.5 | 8.3 | * 6.8 | *10.3 |
| 11 | 164 | 2.0 | 6.0 | *11.0 | *17.5 | *139 | | | *12.5 | *17.0 | *110 | | | *13.5 | *21.0 | 83 | 27.1 | 19.0 | *15.0 | *22.5 |
| 12 | 168 | 2.9 | 6.0 | *10.3 | *16.0 | *141 | | | *10.5 | *16.8 | 116 | 8.1 | 14.3 | *13.3 | *19.8 | 99 | 10.7 | 32.7 | *10.0 | *17.5 |
| 13 | 168 | 7.1 | 4.0 | * 9.5 | *15.0 | *143 | | | * 8.0 | *13.5 | 119 | 9.0 | 7.8 | * 8.0 | *14.0 | *102 | | | | |
| 14 | 172 | 3.3 | 6.6 | * 8.0 | *13.0 | 145 | 4.3 | 8.8 | * 7.0 | *13.5 | 124 | 7.5 | 11.5 | * 7.0 | *13.0 | 102 | 12.0 | 17.0 | * 5.0 | *10.0 |
| 15 | 172 | 3.5 | 7.0 | * 7.5 | *12.5 | 143 | 10.0 | 9.7 | * 7.3 | *12.0 | 124 | 5.5 | 11.5 | * 6.0 | *10.0 | 102 | 9.6 | 21.4 | * 5.0 | * 9.0 |
| 16 | 172 | 4.0 | 4.5 | * 7.5 | *13.0 | 142 | 9.0 | 14.2 | * 6.0 | *11.0 | 124 | 6.0 | 9.0 | * 5.0 | * 9.0 | 100 | 9.7 | 19.3 | * 5.0 | * 8.0 |
| 17 | 170 | 4.9 | 6.0 | * 7.0 | *12.0 | 141 | 10.4 | 9.9 | * 5.5 | *10.0 | 121 | 9.0 | 7.9 | * 5.3 | * 9.5 | 99 | 10.3 | 19.6 | * 4.0 | * 7.0 |
| 18 | 168 | 6.0 | 5.4 | * 6.0 | *11.0 | *140 | | | * 4.5 | * 8.5 | 122 | 8.0 | 11.2 | * 4.3 | * 8.8 | 100 | 8.2 | 12.7 | * 2.8 | * 5.8 |
| 19 | 168 | 5.7 | 4.3 | * 6.5 | *11.0 | 141 | 10.3 | 2.6 | * 6.3 | *10.8 | 120 | 8.2 | 7.2 | * 4.3 | * 8.0 | 102 | 11.7 | 6.0 | * 3.0 | * 6.0 |
| 20 | 168 | 6.0 | 4.0 | * 8.0 | *13.3 | 141 | 9.9 | 3.9 | * 5.0 | * 8.5 | 120 | 11.1 | 5.1 | * 4.5 | * 7.5 | 104 | 9.5 | 3.5 | * 4.0 | * 7.0 |
| 21 | 168 | 7.3 | 4.0 | * 8.0 | *13.8 | *141 | | | * 6.5 | *10.8 | 120 | 10.0 | 3.3 | * 5.0 | * 9.5 | 104 | 9.5 | 1.5 | * 3.8 | * 7.3 |
| 22 | 168 | 4.6 | 7.3 | * 8.5 | *13.5 | 141 | 10.0 | 8.3 | * 6.0 | *10.5 | 118 | 11.5 | 3.5 | * 4.5 | * 8.5 | 104 | 7.7 | 4.1 | * 4.0 | * 8.0 |
| 23 | 167 | 5.0 | 6.3 | * 9.0 | *16.0 | *140 | | | | | 118 | 9.5 | 10.0 | * 6.3 | *11.0 | 104 | 6.0 | 7.8 | * 4.5 | * 8.3 |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 68 | 4.0 | 6.2 | * 5.5 | * 9.0 | 60 | 5.9 | 2.0 | * 4.8 | * 8.8 | 40 | 7.7 | 8.9 | * 5.8 | * 8.5 | 23 | 4.0 | 0.0 | * 1.5 | * 3.0 |
| 01 | 66 | 6.0 | 4.4 | * 4.3 | * 7.3 | 61 | 5.0 | 3.0 | * 4.8 | * 8.5 | 37 | 10.0 | 2.3 | * 4.0 | * 6.0 | 23 | 2.0 | 0.0 | * 1.5 | * 2.5 |
| 02 | 66 | 3.9 | 4.1 | * 3.8 | * 7.5 | 60 | 5.9 | 2.0 | * 5.5 | * 9.3 | 37 | 7.9 | 6.0 | * 3.0 | * 4.5 | 23 | 3.9 | 0.0 | * 2.0 | * 3.5 |
| 03 | 64 | 6.0 | 2.1 | * 5.5 | * 9.5 | 60 | 4.1 | 4.0 | * 6.3 | *10.8 | 37 | 9.8 | 6.0 | * 4.5 | * 6.0 | 23 | 2.0 | 2.0 | * 2.3 | * 3.3 |
| 04 | 64 | 5.7 | 4.0 | * 7.5 | *13.0 | 60 | 4.1 | 5.7 | * 9.0 | *14.5 | 39 | 10.0 | 8.0 | * 4.8 | * 6.5 | 23 | 2.0 | 0.1 | * 1.5 | * 3.5 |
| 05 | 58 | 4.1 | 6.1 | * 8.5 | *13.8 | 58 | 3.9 | 6.2 | * 7.0 | *11.0 | 41 | 2.0 | 4.0 | * 4.0 | * 6.5 | 23 | 1.9 | 2.0 | * 2.3 | * 3.5 |
| 06 | 48 | 4.0 | 6.1 | | | 52 | 6.1 | 5.7 | * 7.3 | *10.5 | 41 | 6.1 | 2.2 | * 7.0 | *10.0 | 23 | 2.0 | 2.0 | * 2.3 | * 3.5 |
| 07 | 41 | 7.2 | 3.0 | * 5.8 | * 7.8 | 48 | 4.0 | 4.0 | * 7.3 | *11.0 | 41 | 4.1 | 2.1 | * 5.5 | * 7.5 | 23 | 2.0 | 1.7 | * 2.0 | * 3.5 |
| 08 | 40 | 4.0 | 4.0 | * 3.0 | * 4.0 | 42 | 6.1 | 2.1 | * 7.3 | *10.0 | 39 | 4.1 | 4.1 | * 7.5 | *10.0 | 23 | 3.9 | 2.0 | * 2.0 | * 3.0 |
| 09 | 40 | 4.0 | 4.0 | * 2.5 | * 3.5 | 40 | 9.4 | 4.0 | * 7.8 | *10.8 | 37 | 10.3 | 4.0 | * 6.3 | * 8.8 | 23 | 4.0 | 2.0 | * 2.3 | * 4.3 |
| 10 | 39 | 7.2 | 3.0 | * 2.0 | * 3.5 | 40 | 6.3 | 6.3 | * 3.5 | * 6.0 | 37 | 4.0 | 6.0 | * 5.5 | * 8.0 | 23 | 6.0 | 0.0 | * 2.0 | * 3.8 |
| 11 | 39 | 16.9 | 3.0 | * 2.0 | * 3.0 | 40 | 16.5 | 6.5 | * 3.0 | * 5.0 | 37 | 7.0 | 4.5 | * 6.5 | * 9.5 | 25 | 5.9 | 2.0 | * 1.5 | * 4.5 |
| 12 | 42 | 24.6 | 4.0 | | | 44 | 16.8 | 10.3 | * 8.5 | *10.5 | 41 | 4.1 | 5.7 | * 5.8 | * 8.5 | 25 | 7.7 | 2.0 | * 3.3 | * 4.8 |
| 13 | 44 | 19.8 | 6.9 | * 1.5 | * 4.0 | 50 | 11.6 | 11.9 | * 8.8 | *11.3 | 41 | 5.9 | 3.7 | * 5.0 | * 7.5 | 25 | 6.0 | 2.0 | * 2.3 | * 3.8 |
| 14 | 53 | 13.9 | 13.0 | | | 49 | 13.3 | 7.0 | * 5.5 | * 9.3 | 43 | 10.0 | 2.1 | * 6.0 | * 8.5 | 27 | 10.1 | 4.0 | * 3.5 | * 5.5 |
| 15 | 44 | 28.0 | 4.0 | * 7.0 | *10.0 | 53 | 11.5 | 7.5 | * 6.0 | * 9.5 | 47 | 3.9 | 4.0 | * 4.8 | * 7.8 | 27 | 6.1 | 3.9 | * 3.5 | * 5.0 |
| 16 | 52 | 14.4 | 10.0 | * 9.0 | *13.5 | 56 | 6.2 | 6.6 | * 5.0 | * 7.8 | 49 | 2.1 | 4.3 | * 4.8 | * 7.8 | 27 | 6.0 | 2.0 | * 3.5 | * 5.0 |
| 17 | 56 | 10.0 | 9.7 | * 7.5 | *10.0 | 60 | 5.7 | 4.1 | * 4.0 | * 6.8 | 51 | 4.0 | 5.6 | * 4.3 | * 7.3 | 27 | 5.9 | 2.0 | * 3.8 | * 5.5 |
| 18 | 60 | 9.7 | 6.1 | * 4.5 | * 8.5 | 64 | 4.0 | 4.6 | * 3.8 | * 6.5 | 51 | 4.1 | 4.0 | * 5.0 | * 8.0 | 27 | 4.0 | 4.0 | * 2.0 | * 3.3 |
| 19 | 66 | 6.1 | 4.0 | * 3.8 | * 6.5 | 66 | 6.0 | 2.6 | * 3.5 | * 6.0 | 51 | 6.0 | 4.0 | * 5.0 | * 8.0 | 25 | 6.0 | 2.0 | * 1.8 | * 3.5 |
| 20 | 69 | 5.2 | 4.9 | * 4.5 | * 7.5 | 66 | 6.0 | 4.3 | * 4.0 | * 7.5 | 49 | 7.9 | 4.0 | * 4.5 | * 8.0 | 25 | 4.3 | 2.0 | * 2.5 | * 3.5 |
| 21 | 68 | 6.6 | 4.0 | * 4.5 | * 8.0 | 66 | 4.0 | 2.5 | * 4.0 | * 8.0 | 44 | 10.9 | 3.5 | * 3.0 | * 5.8 | 25 | 4.0 | 2.0 | * 1.5 | * 3.5 |
| 22 | 68 | 6.1 | 6.0 | * 4.0 | * 7.8 | 64 | 4.0 | 4.2 | * 5.3 | * 8.5 | 42 | 9.7 | 5.0 | * 5.0 | * 7.5 | 25 | 4.0 | 2.0 | * 1.0 | * 3.5 |
| 23 | 67 | 5.0 | 5.0 | * 4.0 | * 7.8 | 62 | 5.9 | 4.0 | * 5.5 | * 8.8 | 41 | 5.9 | 6.0 | * 4.5 | * 7.5 | 23 | 4.3 | 0.0 | * 2.0 | * 3.0 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION BYRD STATION, ANT. LAT. 80.0 S LONG. 120.0 W JULY 1964

| HR. LST | FREQUENCY (Mc) .051 | | | | | .113 | | | | | .246 | | | | | .545 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 90 | | | | | * 90 | | | | | * 83 | | | | | * 80 | | | | |
| 01 | * 92 | | | | | * 92 | | | | | * 83 | | | | | * 80 | | | | |
| 02 | * 90 | | | | | * 92 | | | | | * 83 | | | | | * 80 | | | | |
| 03 | * 92 | | | | | * 90 | | | | | * 81 | | | | | * 80 | | | | |
| 04 | 89 | 13.4 | 5.1 | | | * 90 | | | | | * 83 | | | | | 80 | 4.3 | 4.3 | | |
| 05 | 90 | 4.3 | 4.2 | | | * 88 | | | | | * 82 | | | | | * 80 | | | | |
| 06 | 90 | 2.3 | 4.0 | | | * 89 | | | | | * 81 | | | | | * 79 | | | | |
| 07 | * 88 | | | | | * 88 | | | | | * 81 | | | | | * 80 | | | | |
| 08 | * 90 | | | | | * 89 | | | | | * 81 | | | | | * 78 | | | | |
| 09 | * 90 | | | | | * 90 | | | | | * 79 | | | | | * 80 | | | | |
| 10 | * 92 | | | | | * 90 | | | | | * 81 | | | | | * 80 | | | | |
| 11 | * 90 | | | | | * 90 | | | | | * 81 | | | | | * 79 | | | | |
| 12 | * 92 | | | | | * 90 | | | | | * 81 | | | | | * 82 | | | | |
| 13 | 92 | 4.8 | 4.3 | | | * 90 | | | | | * 81 | | | | | * 80 | | | | |
| 14 | 92 | 6.3 | 2.0 | | | * 92 | | | | | * 83 | | | | | * 80 | | | | |
| 15 | 92 | 7.4 | 4.0 | | | * 92 | | | | | * 82 | | | | | * 81 | | | | |
| 16 | 92 | 10.1 | 2.2 | | | * 92 | | | | | * 81 | | | | | 80 | 6.3 | 4.3 | | |
| 17 | 93 | 9.2 | 3.2 | | | * 90 | | | | | * 82 | | | | | * 83 | | | | |
| 18 | 92 | 24.0 | 0.6 | | | * 91 | | | | | * 81 | | | | | * 83 | | | | |
| 19 | 94 | 12.2 | 6.0 | | | * 92 | | | | | * 83 | | | | | * 84 | | | | |
| 20 | * 94 | | | | | * 96 | | | | | * 83 | | | | | 80 | 8.0 | 6.0 | | |
| 21 | * 92 | | | | | * 90 | | | | | * 83 | | | | | * 82 | | | | |
| 22 | * 90 | | | | | * 90 | | | | | * 85 | | | | | * 84 | | | | |
| 23 | * 90 | | | | | * 90 | | | | | * 83 | | | | | * 80 | | | | |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 39 | | | | | * 74 | | | | | * 42 | | | | | * 29 | | | | |
| 01 | * 36 | | | | | * 76 | | | | | * 39 | | | | | * 33 | | | | |
| 02 | * 38 | | | | | * 72 | | | | | * 39 | | | | | * 21 | | | | |
| 03 | * 36 | | | | | * 72 | | | | | * 40 | | | | | * 27 | | | | |
| 04 | * 40 | | | | | * 73 | | | | | * 38 | | | | | * 21 | | | | |
| 05 | * 38 | | | | | * 75 | | | | | * 38 | | | | | * 22 | | | | |
| 06 | * 34 | | | | | * 76 | | | | | * 36 | | | | | * 22 | | | | |
| 07 | * 33 | | | | | * 76 | | | | | * 40 | | | | | * 24 | | | | |
| 08 | * 45 | | | | | * 75 | | | | | * 42 | | | | | * 29 | | | | |
| 09 | * 43 | | | | | * 76 | | | | | * 44 | | | | | * 35 | | | | |
| 10 | * 38 | | | | | * 73 | | | | | * 47 | | | | | * 27 | | | | |
| 11 | * 36 | | | | | * 80 | | | | | * 44 | | | | | * 28 | | | | |
| 12 | * 40 | | | | | * 78 | | | | | * 46 | | | | | * 32 | | | | |
| 13 | * 42 | | | | | * 78 | | | | | * 44 | | | | | * 35 | | | | |
| 14 | * 46 | | | | | * 74 | | | | | * 46 | | | | | * 37 | | | | |
| 15 | * 38 | | | | | * 75 | | | | | * 44 | | | | | * 37 | | | | |
| 16 | * 37 | | | | | * 78 | | | | | * 40 | | | | | * 29 | | | | |
| 17 | * 36 | | | | | * 76 | | | | | * 40 | | | | | * 37 | | | | |
| 18 | * 41 | | | | | * 78 | | | | | * 39 | | | | | * 31 | | | | |
| 19 | * 46 | | | | | * 82 | | | | | * 44 | | | | | * 31 | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | |
| 21 | * 38 | | | | | * 70 | | | | | * 42 | | | | | * 31 | | | | |
| 22 | * 36 | | | | | * 76 | | | | | * 41 | | | | | * 29 | | | | |
| 23 | * 34 | | | | | * 74 | | | | | * 46 | | | | | * 29 | | | | |
| | * 34 | | | | | * 66 | | | | | * 40 | | | | | * 29 | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION BYRD STATION, ANT. LAT. 80.0 S LONG. 120.0 W AUGUST 1964

| HR. LST | FREQUENCY (Mc) .051 | | | | | .113 | | | | | .246 | | | | | .545 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *101 | | | | | * 93 | | | | | * 88 | | | | | * 75 | | | | |
| 01 | *100 | | | | | * 93 | | | | | * 88 | | | | | * 75 | | | | |
| 02 | *104 | | | | | * 93 | | | | | * 86 | | | | | * 75 | | | | |
| 03 | *104 | | | | | * 96 | | | | | * 89 | | | | | * 73 | | | | |
| 04 | *103 | | | | | * 96 | | | | | * 88 | | | | | * 77 | | | | |
| 05 | *102 | | | | | * 92 | | | | | * 92 | | | | | * 79 | | | | |
| 06 | *106 | | | | | * 92 | | | | | * 92 | | | | | * 75 | | | | |
| 07 | *106 | | | | | * 95 | | | | | * 92 | | | | | * 73 | | | | |
| 08 | *104 | | | | | * 93 | | | | | * 93 | | | | | * 75 | | | | |
| 09 | *104 | | | | | * 95 | | | | | * 90 | | | | | * 75 | | | | |
| 10 | *108 | | | | | * 93 | | | | | *106 | | | | | * 75 | | | | |
| 11 | *104 | | | | | * 94 | | | | | *106 | | | | | * 79 | | | | |
| 12 | *104 | | | | | * 95 | | | | | * 94 | | | | | * 77 | | | | |
| 13 | *104 | | | | | * 95 | | | | | *100 | | | | | * 73 | | | | |
| 14 | *106 | | | | | * 94 | | | | | * 88 | | | | | * 79 | | | | |
| 15 | *104 | | | | | *119 | | | | | * 97 | | | | | * 75 | | | | |
| 16 | *109 | | | | | * 96 | | | | | * 94 | | | | | * 75 | | | | |
| 17 | *102 | | | | | * 95 | | | | | * 94 | | | | | * 76 | | | | |
| 18 | *104 | | | | | * 95 | | | | | * 92 | | | | | * 75 | | | | |
| 19 | *104 | | | | | * 94 | | | | | * 94 | | | | | * 78 | | | | |
| 20 | *104 | | | | | * 95 | | | | | * 92 | | | | | * 75 | | | | |
| 21 | *104 | | | | | * 92 | | | | | * 92 | | | | | * 75 | | | | |
| 22 | *101 | | | | | * 92 | | | | | * 96 | | | | | * 75 | | | | |
| 23 | *102 | | | | | * 91 | | | | | * 89 | | | | | * 76 | | | | |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 44 | 12.0 | 6.5 | | | * 49 | | | | | * 33 | | | | | * 21 | | | | |
| 01 | 47 | 11.3 | 10.1 | | | * 46 | | | | | * 31 | | | | | * 23 | | | | |
| 02 | * 45 | | | | | * 48 | | | | | * 32 | | | | | * 24 | | | | |
| 03 | 45 | 14.5 | 10.5 | | | * 47 | | | | | * 33 | | | | | * 22 | | | | |
| 04 | 52 | 4.6 | 14.1 | | | 49 | 10.3 | 12.8 | | | * 33 | | | | | * 19 | | | | |
| 05 | 51 | 12.8 | 10.4 | | | 47 | 10.3 | 18.0 | | | 31 | 6.6 | 2.3 | | | * 19 | | | | |
| 06 | * 48 | | | | | * 49 | | | | | * 35 | | | | | 19 | 5.1 | 6.6 | | |
| 07 | * 49 | | | | | 49 | 10.2 | 13.7 | | | * 31 | | | | | 22 | 6.0 | 6.7 | | |
| 08 | 49 | 15.9 | 8.1 | | | * 51 | | | | | * 34 | | | | | 22 | 3.9 | 6.1 | | |
| 09 | 50 | 20.7 | 12.8 | | | 51 | 12.0 | 16.6 | | | * 33 | | | | | * 21 | | | | |
| 10 | 49 | 28.1 | 11.1 | | | * 49 | | | | | * 33 | | | | | 20 | 11.0 | 4.0 | | |
| 11 | 46 | 14.8 | 7.8 | | | * 49 | | | | | 33 | 6.8 | 8.6 | | | * 21 | | | | |
| 12 | * 54 | | | | | * 49 | | | | | * 35 | | | | | * 20 | | | | |
| 13 | * 48 | | | | | * 51 | | | | | * 31 | | | | | 22 | 2.6 | 7.0 | | |
| 14 | * 47 | | | | | * 51 | | | | | * 33 | | | | | * 20 | | | | |
| 15 | 48 | 8.3 | 8.4 | | | * 49 | | | | | * 33 | | | | | * 20 | | | | |
| 16 | 48 | 13.7 | 11.3 | | | * 51 | | | | | * 32 | | | | | 20 | 4.0 | 2.1 | | |
| 17 | 45 | 9.3 | 7.0 | | | * 51 | | | | | * 32 | | | | | * 20 | | | | |
| 18 | * 47 | | | | | * 49 | | | | | * 33 | | | | | * 21 | | | | |
| 19 | * 47 | | | | | * 47 | | | | | * 31 | | | | | 20 | 8.3 | 5.3 | | |
| 20 | * 50 | | | | | * 49 | | | | | * 32 | | | | | 20 | 5.7 | 6.0 | | |
| 21 | 50 | 8.7 | 7.4 | | | 47 | 10.3 | 9.9 | | | * 31 | | | | | * 21 | | | | |
| 22 | 43 | 14.1 | 6.5 | | | * 45 | | | | | 31 | 7.4 | 4.0 | | | * 24 | | | | |
| 23 | 50 | 6.0 | 11.3 | | | * 51 | | | | | * 31 | | | | | 19 | 11.2 | 4.4 | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION COOK, AUSTRALIA LAT. 30.6 S LONG. 130.4 E JUNE 1964

| HR. LST | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 157 | 3.0 | 3.0 | 8.3 | 12.0 | 129 | 6.0 | 3.3 | 8.5 | 14.0 | 105 | 8.0 | 3.3 | 7.3 | 12.5 | 87 | 8.6 | 3.3 | 6.0 | 10.5 |
| 01 | 157 | 3.0 | 3.0 | 7.8 | 12.0 | 129 | 6.0 | 2.0 | 8.0 | 13.0 | 105 | 7.3 | 3.3 | 6.5 | 12.0 | 88 | 7.0 | 5.0 | 7.0 | 12.0 |
| 02 | 157 | 3.0 | 2.3 | 8.0 | 12.0 | 131 | 4.0 | 4.0 | 9.5 | 14.0 | 105 | 7.3 | 3.3 | 7.5 | 12.5 | 89 | 6.0 | 6.0 | 6.5 | 11.5 |
| 03 | 157 | 2.3 | 2.3 | 8.0 | 12.0 | 131 | 3.3 | 3.3 | 9.0 | 14.0 | 105 | 6.0 | 2.0 | 8.8 | 13.8 | 87 | 6.0 | 5.3 | 7.0 | 11.8 |
| 04 | 158 | 2.0 | 3.3 | 8.3 | 13.0 | 131 | 3.3 | 3.3 | 8.5 | 13.0 | 105 | 6.0 | 4.0 | 8.0 | 14.0 | 87 | 4.0 | 6.0 | 8.0 | 13.5 |
| 05 | 156 | 4.0 | 2.0 | 9.0 | 13.8 | 131 | 2.0 | 4.0 | 9.8 | 14.8 | 103 | 7.3 | 4.0 | 8.0 | 13.8 | 85 | 5.3 | 6.0 | 9.5 | 15.3 |
| 06 | 156 | 2.0 | 2.0 | 8.5 | 14.0 | 129 | 3.3 | 2.0 | 9.0 | 13.5 | 102 | 5.0 | 5.0 | 9.0 | 15.0 | 81 | 6.6 | 10.0 | 10.3 | 19.0 |
| 07 | 156 | 2.0 | 2.0 | 8.3 | 13.0 | 123 | 4.0 | 4.0 | 8.3 | 13.3 | 85 | 10.4 | 13.0 | *14.0 | *21.0 | 47 | 13.5 | 8.0 | *11.8 | *16.3 |
| 08 | 154 | 2.0 | 2.0 | 9.3 | 14.3 | 119 | 4.0 | 6.0 | 11.5 | 17.5 | 73 | 16.0 | 12.0 | 11.8 | 15.3 | 44 | 18.3 | 5.0 | *10.5 | *13.5 |
| 09 | 152 | 4.0 | 2.0 | 9.8 | 15.0 | 115 | 8.0 | 8.0 | *12.0 | *17.3 | 72 | 26.4 | 10.0 | *12.3 | *18.3 | 45 | 29.9 | 6.2 | *14.8 | *20.3 |
| 10 | 154 | 2.0 | 4.0 | 11.5 | 16.5 | 115 | 6.4 | 6.0 | 13.5 | 21.0 | 77 | 16.3 | 12.0 | *11.0 | *16.5 | 45 | 21.9 | 6.0 | * 7.0 | * 9.0 |
| 11 | 153 | 3.0 | 2.9 | 11.3 | 17.0 | 115 | 6.2 | 6.1 | 14.8 | 22.8 | 75 | 14.4 | 10.4 | *14.0 | *21.5 | 46 | 16.7 | 7.0 | * 4.0 | * 5.5 |
| 12 | 152 | 4.0 | 2.0 | 13.3 | 20.0 | 116 | 4.7 | 4.6 | 14.0 | 21.0 | 77 | 13.9 | 13.5 | 15.0 | 24.8 | 48 | 21.6 | 8.3 | *10.5 | *14.5 |
| 13 | 154 | 2.0 | 4.0 | 12.5 | 19.5 | 117 | 6.0 | 5.5 | 13.8 | 20.3 | 79 | 15.1 | 13.1 | *15.5 | *21.8 | * 54 | | | * 7.5 | * 8.5 |
| 14 | *153 | | | *12.5 | *19.0 | *119 | | | *12.5 | *19.0 | 79 | 16.0 | 12.4 | *14.3 | *24.0 | 48 | 24.7 | 7.1 | *10.5 | *17.0 |
| 15 | 154 | 2.1 | 2.0 | 12.5 | 18.0 | 117 | 7.5 | 4.0 | 12.5 | 19.3 | 81 | 16.0 | 14.4 | 17.5 | 25.5 | 49 | 23.3 | 9.3 | 11.5 | 14.5 |
| 16 | 154 | 2.0 | 2.0 | 11.0 | 16.8 | 119 | 8.0 | 8.0 | 12.8 | 19.5 | 89 | 15.0 | 16.0 | 11.0 | 19.5 | 57 | 21.3 | 13.6 | * 9.3 | *16.3 |
| 17 | 154 | 2.0 | 3.5 | 10.0 | 15.5 | 121 | 6.0 | 9.6 | 12.0 | 18.8 | 97 | 9.5 | 13.5 | 12.0 | 21.5 | 75 | 13.5 | 10.0 | *10.5 | *19.0 |
| 18 | 154 | 4.0 | 3.3 | 10.5 | 15.8 | 127 | 6.0 | 11.3 | 12.8 | 19.3 | 99 | 10.0 | 9.3 | 13.0 | 22.0 | 83 | 10.6 | 10.0 | 11.5 | 19.5 |
| 19 | 156 | 3.3 | 3.3 | 9.0 | 14.0 | 129 | 6.0 | 8.0 | 11.5 | 18.0 | 103 | 9.3 | 7.3 | 11.3 | 19.0 | 85 | 9.5 | 6.0 | 9.3 | 17.3 |
| 20 | 156 | 2.0 | 2.0 | 9.5 | 14.5 | 129 | 6.0 | 8.0 | 11.5 | 18.0 | 105 | 7.5 | 8.0 | 9.5 | 16.0 | 89 | 6.0 | 8.0 | 6.5 | 12.5 |
| 21 | 156 | 3.3 | 2.0 | 9.0 | 14.0 | 129 | 6.0 | 5.3 | 10.0 | 15.0 | 105 | 9.3 | 6.0 | 8.0 | 14.0 | 89 | 6.0 | 7.5 | 7.5 | 13.8 |
| 22 | 156 | 3.3 | 2.0 | 8.5 | 12.5 | 129 | 6.0 | 4.0 | 9.3 | 15.3 | 105 | 9.3 | 6.0 | 7.5 | 13.0 | 89 | 8.6 | 6.0 | 9.0 | 14.5 |
| 23 | 157 | 3.0 | 3.0 | 8.8 | 13.5 | 131 | 4.0 | 6.0 | 10.3 | 15.3 | 105 | 8.6 | 4.0 | 7.5 | 12.5 | 89 | 7.3 | 6.0 | 6.5 | 11.5 |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 62 | 7.0 | 6.3 | 5.0 | 10.0 | 53 | 6.0 | 3.5 | * 4.8 | * 8.0 | 37 | 6.0 | 4.0 | 4.0 | 6.5 | 23 | 0.0 | 2.0 | | |
| 01 | 59 | 9.3 | 3.3 | 6.0 | 10.0 | 53 | 7.3 | 4.0 | 5.0 | 8.5 | 37 | 8.6 | 4.0 | * 4.0 | * 6.0 | 23 | 0.0 | 2.0 | | |
| 02 | 61 | 6.0 | 4.0 | 5.8 | 9.3 | 52 | 7.0 | 3.0 | 5.5 | 8.5 | 37 | 9.0 | 4.0 | 3.0 | 4.5 | 23 | 0.0 | 2.0 | | |
| 03 | 59 | 7.3 | 4.0 | 5.5 | 9.5 | 51 | 8.0 | 2.0 | 5.0 | 9.0 | 35 | 7.3 | 2.0 | * 3.5 | * 5.0 | 23 | 0.0 | 2.0 | | |
| 04 | 59 | 8.0 | 5.3 | 5.5 | 9.5 | 51 | 6.0 | 4.0 | 5.8 | 9.0 | 33 | 8.0 | 2.0 | * 3.3 | * 5.3 | 23 | 0.0 | 0.0 | | |
| 05 | 57 | 8.0 | 5.3 | 6.0 | 10.0 | 51 | 6.0 | 5.3 | 5.0 | 8.0 | 33 | 7.3 | 2.0 | * 3.0 | * 4.5 | 23 | 0.0 | 2.0 | | |
| 06 | 57 | 8.0 | 7.3 | 6.0 | 10.3 | 51 | 6.0 | 6.0 | 5.0 | 7.8 | 33 | 10.0 | 2.0 | * 4.3 | * 6.8 | 21 | 2.0 | 0.0 | | |
| 07 | 54 | 9.0 | 10.3 | * 7.5 | *13.0 | 49 | 5.3 | 6.0 | 5.5 | 8.5 | 35 | 8.6 | 4.0 | 3.5 | 5.0 | 21 | 0.0 | 0.0 | | |
| 08 | 31 | 10.0 | 6.0 | * 8.0 | *11.3 | 39 | 7.3 | 8.0 | * 5.5 | * 8.0 | 33 | 10.6 | 2.0 | 4.5 | 7.0 | 21 | 0.0 | 0.0 | * 2.5 | * 4.0 |
| 09 | 26 | 8.6 | 7.0 | * 8.0 | *12.5 | 27 | 17.2 | 7.6 | * 8.5 | *12.5 | 32 | 13.0 | 4.9 | * 4.8 | * 6.8 | 21 | 0.2 | 0.0 | * 2.5 | * 4.5 |
| 10 | 25 | 10.3 | 6.0 | * 9.0 | *12.5 | 27 | 10.3 | 10.0 | *11.0 | *18.0 | 29 | 4.8 | 2.0 | 4.0 | 5.5 | 21 | 0.2 | 0.0 | * 4.0 | * 6.0 |
| 11 | 23 | 10.0 | 4.0 | * 8.0 | *11.5 | 23 | 12.0 | 6.7 | *10.5 | *16.0 | 29 | 6.0 | 3.6 | * 4.5 | * 6.5 | 21 | 2.0 | 0.0 | * 3.0 | * 4.5 |
| 12 | 19 | 12.0 | 0.0 | * 7.5 | *12.0 | 23 | 12.1 | 7.6 | 8.5 | 12.5 | 29 | 9.3 | 3.3 | 3.8 | 5.8 | 21 | 1.3 | 0.0 | * 2.8 | * 4.0 |
| 13 | 23 | 11.5 | 4.0 | 6.0 | 9.0 | 27 | 8.5 | 8.4 | * 5.0 | *12.5 | 31 | 7.1 | 4.0 | * 3.3 | * 4.8 | 21 | 2.0 | 0.0 | | |
| 14 | * 29 | | | | | * 29 | | | * 8.3 | *12.5 | 33 | 7.1 | 5.1 | * 4.3 | * 5.8 | 21 | 2.0 | 0.0 | * 2.8 | * 5.3 |
| 15 | 31 | 6.2 | 10.1 | * 6.5 | *12.0 | 33 | 11.6 | 11.6 | *11.3 | *17.8 | 39 | 6.0 | 7.3 | 5.0 | 7.5 | 21 | 2.0 | 0.0 | * 2.5 | * 4.3 |
| 16 | 37 | 7.3 | 14.0 | * 7.8 | *13.8 | 39 | 8.0 | 10.0 | 8.0 | 14.0 | 41 | 6.0 | 6.0 | 5.0 | 8.3 | 21 | 2.1 | 0.0 | * 2.5 | * 4.0 |
| 17 | 45 | 7.7 | 11.6 | * 7.5 | *12.5 | 47 | 7.5 | 8.0 | 7.0 | 12.0 | 41 | 6.0 | 4.0 | 4.5 | 7.0 | 21 | 2.0 | 0.0 | * 2.5 | * 3.5 |
| 18 | 54 | 8.3 | 8.3 | 7.3 | 13.0 | 51 | 6.0 | 8.0 | 6.8 | 11.0 | 39 | 8.0 | 6.0 | 4.0 | 6.5 | 21 | 2.0 | 0.0 | | |
| 19 | 59 | 7.5 | 10.0 | 6.5 | 11.5 | 51 | 7.3 | 6.0 | 6.0 | 10.3 | 39 | 9.3 | 4.0 | 5.0 | 8.5 | 23 | 0.0 | 2.0 | | |
| 20 | 61 | 6.0 | 9.3 | * 6.0 | * 9.8 | 53 | 6.6 | 6.0 | 6.0 | 10.0 | 39 | 7.0 | 4.0 | 4.0 | 6.0 | 23 | 0.0 | 2.0 | | |
| 21 | 61 | 7.8 | 8.0 | 7.0 | 11.5 | 53 | 7.3 | 5.3 | 5.5 | 9.5 | 39 | 7.3 | 4.0 | 3.3 | 5.5 | 23 | 0.0 | 2.0 | | |
| 22 | 61 | 10.4 | 6.0 | 5.0 | 9.0 | 53 | 6.6 | 3.3 | 5.5 | 9.8 | 39 | 7.0 | 4.0 | * 2.5 | * 5.0 | 23 | 0.0 | 2.0 | | |
| 23 | 61 | 8.0 | 5.5 | 5.0 | 9.3 | 53 | 8.6 | 4.0 | 5.3 | 9.5 | 37 | 9.3 | 2.0 | 3.5 | 5.5 | 23 | 0.0 | 2.0 | * 2.5 | * 3.5 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION COOK, AUSTRALIA LAT. 30.6 S LONG. 130.4 E JULY 1964

| HR. GMT | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 156 | 3.1 | 2.0 | 10.0 | 14.5 | 128 | 6.0 | 3.1 | 11.8 | 17.0 | 105 | 6.0 | 4.0 | 9.0 | 15.8 | 87 | 7.3 | 5.3 | 8.8 | 16.5 |
| 01 | 156 | 3.1 | 2.0 | 11.0 | 15.5 | 128 | 5.3 | 2.0 | 10.8 | 15.5 | 105 | 7.1 | 4.0 | 9.0 | 15.8 | 87 | 6.0 | 5.1 | 10.5 | 19.5 |
| 02 | 156 | 2.0 | 2.0 | 10.0 | 15.0 | 129 | 3.0 | 4.3 | 11.3 | 18.3 | 105 | 5.1 | 4.0 | 10.8 | 16.5 | 87 | 4.0 | 6.0 | 10.0 | 17.0 |
| 03 | 156 | 2.0 | 2.0 | 9.8 | 14.8 | 128 | 4.0 | 3.1 | 10.8 | 17.0 | 105 | 4.0 | 4.0 | 10.0 | 17.8 | 85 | 6.0 | 4.0 | 10.5 | 18.5 |
| 04 | 156 | 2.0 | 2.0 | 10.0 | 15.0 | 128 | 4.0 | 4.0 | 10.8 | 16.0 | 103 | 4.0 | 4.0 | 8.8 | 14.3 | 85 | 5.1 | 4.0 | 11.5 | 18.5 |
| 05 | 154 | 4.0 | 0.0 | 10.5 | 16.0 | 126 | 8.0 | 2.0 | 10.5 | 16.0 | 103 | 4.0 | 6.0 | 7.5 | 14.0 | 83 | 6.0 | 5.1 | 10.3 | 17.8 |
| 06 | 154 | 4.0 | 1.1 | 9.3 | 14.3 | 126 | 5.1 | 4.0 | 9.0 | 15.0 | 99 | 5.1 | 5.1 | 9.5 | 16.0 | 77 | 9.1 | 7.1 | *11.0 | *17.0 |
| 07 | 154 | 2.0 | 2.0 | 9.5 | 15.5 | 120 | 4.2 | 3.1 | 12.0 | 17.5 | 78 | 14.3 | 6.3 | *19.3 | *26.5 | 43 | 22.6 | 4.0 | * 4.0 | * 5.0 |
| 08 | 150 | 4.0 | 1.1 | 9.5 | 14.5 | 114 | 7.1 | 4.0 | 13.0 | 19.0 | 71 | 12.6 | 12.0 | *16.0 | *20.5 | 41 | 15.3 | 2.0 | *12.3 | *16.3 |
| 09 | 150 | 4.0 | 2.0 | 11.0 | 16.5 | 112 | 7.5 | 4.0 | 14.5 | 20.3 | 68 | 19.2 | 7.1 | *19.3 | *27.0 | 43 | 12.4 | 4.0 | * 3.0 | * 4.0 |
| 10 | 152 | 2.0 | 4.0 | 12.8 | 18.8 | 114 | 2.3 | 8.1 | 15.3 | 23.5 | 67 | 16.3 | 6.0 | *12.5 | *15.5 | 43 | 12.7 | 4.0 | * 3.0 | * 4.5 |
| 11 | 150 | 4.0 | 2.0 | 13.5 | 20.5 | 113 | 6.9 | 6.9 | 17.0 | 25.5 | 69 | 11.9 | 8.1 | *11.8 | *10.5 | 44 | 10.6 | 5.0 | * 6.5 | * 9.0 |
| 12 | 152 | 2.0 | 4.0 | 14.8 | 21.8 | 114 | 3.3 | 4.0 | 16.0 | 23.0 | 69 | 14.2 | 8.0 | *16.0 | *24.0 | 43 | 19.0 | 3.5 | *11.0 | * 9.0 |
| 13 | 152 | 2.0 | 4.0 | 13.0 | 20.5 | 114 | 6.6 | 4.0 | 14.3 | 21.3 | 68 | 15.1 | 7.0 | *16.8 | *25.5 | 45 | 12.1 | 6.0 | * 3.0 | * 5.0 |
| 14 | *152 | | | *12.0 | *18.5 | *113 | | | *13.0 | *18.8 | 69 | 25.8 | 6.6 | *18.0 | *27.0 | 43 | 16.5 | 2.5 | *15.0 | 0.0 |
| 15 | 152 | 4.0 | 2.0 | 9.3 | 15.0 | 114 | 11.7 | 4.0 | 12.0 | 18.8 | 73 | 22.2 | 12.1 | * 9.8 | *14.3 | 46 | 27.1 | 6.6 | *11.3 | *16.8 |
| 16 | 152 | 4.0 | 2.0 | 8.5 | 13.5 | 114 | 12.0 | 6.0 | 14.0 | 20.0 | 79 | 25.0 | 12.4 | 11.0 | 19.3 | 53 | 24.9 | 10.0 | * 4.0 | * 5.5 |
| 17 | 154 | 2.0 | 4.0 | 7.5 | 12.0 | 116 | 11.0 | 7.5 | 15.5 | 22.0 | 91 | 14.6 | 12.6 | *13.5 | *23.0 | 71 | 15.3 | 12.0 | *10.3 | *18.5 |
| 18 | 153 | 3.0 | 4.3 | 10.0 | 14.0 | 120 | 7.3 | 6.0 | 14.8 | 22.0 | 97 | 9.8 | 7.3 | 13.5 | 22.8 | 77 | 16.0 | 7.0 | 13.5 | 21.0 |
| 19 | 154 | 4.0 | 3.3 | 8.8 | 13.0 | 124 | 7.6 | 6.1 | 13.0 | 20.0 | 99 | 9.3 | 6.0 | 11.5 | 20.0 | 82 | 12.8 | 5.0 | 10.5 | 20.0 |
| 20 | 156 | 2.0 | 3.1 | 9.0 | 13.5 | 126 | 5.1 | 5.1 | *11.5 | *17.0 | 101 | 10.0 | 4.0 | 10.5 | 16.8 | 84 | 11.0 | 5.0 | 11.0 | 18.5 |
| 21 | 156 | 2.0 | 4.0 | 10.5 | 16.0 | 128 | 5.1 | 5.1 | 11.8 | 18.8 | 105 | 7.1 | 7.1 | 10.0 | 17.0 | 85 | 12.0 | 4.0 | 10.3 | 16.8 |
| 22 | 156 | 4.0 | 4.0 | 11.0 | 16.0 | 128 | 6.2 | 4.0 | 12.0 | 18.3 | 105 | 9.1 | 4.0 | 9.5 | 16.5 | 87 | 11.1 | 5.1 | 9.5 | 15.0 |
| 23 | 156 | 2.0 | 4.0 | 10.5 | 15.0 | 128 | 6.0 | 2.0 | 12.3 | 18.5 | 105 | 8.0 | 5.1 | 10.5 | 17.8 | 87 | 10.0 | 5.1 | 9.8 | 17.8 |

| HR. GMT | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 60 | 7.0 | 7.0 | 5.5 | 11.0 | 53 | 6.0 | 9.8 | 6.0 | 10.5 | 36 | 11.1 | 4.0 | * 4.0 | * 6.3 | 22 | 0.0 | 0.0 | | |
| 01 | 60 | 6.3 | 7.0 | 5.8 | 10.3 | 51 | 8.0 | 4.0 | 5.3 | 8.8 | 36 | 18.4 | 4.0 | * 2.5 | * 4.5 | 22 | 0.0 | 0.0 | | |
| 02 | 59 | 7.3 | 4.0 | 6.0 | 10.0 | 52 | 7.0 | 5.0 | 6.5 | 11.5 | 36 | 19.5 | 5.5 | * 3.0 | * 5.0 | 22 | 0.0 | 0.0 | | |
| 03 | 59 | 6.0 | 6.0 | 5.8 | 9.8 | 51 | 6.0 | 6.0 | 5.5 | 11.0 | 34 | 16.4 | 2.0 | 3.5 | 5.0 | 22 | 0.0 | 0.0 | | |
| 04 | 59 | 5.3 | 6.0 | 6.0 | 11.0 | 50 | 7.0 | 5.0 | 6.0 | 9.5 | 32 | 10.0 | 2.0 | * 3.5 | * 5.5 | 22 | 0.0 | 2.0 | * 2.5 | * 3.0 |
| 05 | 57 | 7.3 | 6.0 | 6.5 | 10.5 | 49 | 6.0 | 4.0 | 6.0 | 10.0 | 30 | 6.0 | 0.0 | * 4.5 | * 6.5 | 20 | 2.0 | 0.0 | | |
| 06 | 55 | 8.0 | 6.0 | * 6.5 | *11.3 | 47 | 6.0 | 4.0 | 5.0 | 8.0 | 32 | 2.4 | 2.0 | * 3.3 | * 5.0 | 20 | 0.0 | 0.0 | | |
| 07 | 51 | 6.6 | 6.0 | * 7.5 | *13.0 | 45 | 6.0 | 4.0 | 5.5 | 9.0 | 32 | 9.5 | 2.0 | 3.3 | 6.5 | 20 | 0.0 | 0.0 | | |
| 08 | 28 | 13.1 | 5.0 | * 7.5 | *13.5 | 34 | 6.3 | 7.6 | 7.5 | 11.3 | 32 | 6.0 | 2.0 | 4.0 | 7.8 | 20 | | | | |
| 09 | 25 | 14.2 | 4.0 | * 8.0 | *11.0 | 25 | 12.4 | 5.5 | * 5.8 | * 7.5 | 30 | 11.8 | 2.0 | 3.5 | 5.5 | 20 | 0.0 | 0.0 | | |
| 10 | 25 | 11.5 | 4.0 | * 6.0 | * 8.5 | 22 | 13.1 | 6.9 | * 6.0 | * 9.0 | 28 | 11.9 | 2.0 | 4.5 | 6.0 | 20 | 0.0 | 0.0 | | |
| 11 | 23 | 12.7 | 2.0 | * 5.0 | * 9.0 | 19 | 12.5 | 2.0 | * 7.5 | *13.0 | 28 | 12.6 | 3.7 | 3.0 | 5.0 | 20 | 0.0 | 0.0 | | |
| 12 | 25 | 6.0 | 4.0 | * 5.0 | * 7.5 | 20 | 13.4 | 5.0 | * 3.3 | * 5.3 | 28 | 11.8 | 2.1 | 3.8 | 6.0 | 20 | | | | |
| 13 | 25 | 8.0 | 4.0 | * 5.5 | * 8.5 | 19 | 12.0 | 4.0 | * 5.0 | * 7.0 | 30 | 12.8 | 4.0 | * 3.0 | * 4.5 | 20 | 2.0 | 0.2 | | |
| 14 | * 29 | | | | | * 25 | | | | | 32 | 12.6 | 4.0 | * 3.0 | * 5.5 | 20 | 2.0 | 0.0 | * 2.5 | * 3.5 |
| 15 | 24 | 18.3 | 3.0 | * 7.5 | *13.0 | 25 | 21.8 | 4.0 | *11.5 | *17.3 | 38 | 7.5 | 4.1 | 4.3 | 6.8 | 20 | 2.0 | 0.0 | | |
| 16 | 31 | 13.7 | 8.0 | * 8.0 | *13.0 | 35 | 13.6 | 5.8 | 5.0 | 9.0 | 40 | 13.9 | 4.0 | 4.5 | 8.3 | 22 | 0.0 | 2.0 | * 2.5 | * 3.3 |
| 17 | 41 | 15.0 | 10.0 | * 9.0 | *17.0 | 45 | 6.2 | 8.1 | 6.8 | 10.8 | 40 | 14.8 | 2.1 | 5.0 | 8.8 | 22 | 0.0 | 1.3 | | |
| 18 | 50 | 15.5 | 8.0 | 7.5 | 13.8 | 49 | 7.3 | 9.3 | 6.5 | 11.0 | 38 | 6.2 | 3.6 | 3.5 | 5.5 | 22 | 0.0 | 1.3 | | |
| 19 | 55 | 11.0 | 7.5 | 7.0 | 13.0 | 49 | 7.3 | 4.0 | 5.8 | 9.5 | 37 | 14.3 | 3.0 | 2.8 | 4.8 | 22 | 0.0 | 0.0 | | |
| 20 | 57 | 10.2 | 6.0 | 8.0 | 13.0 | 51 | 4.0 | 5.3 | 6.5 | 11.0 | 36 | 5.1 | 3.1 | 3.5 | 6.0 | 22 | 0.0 | 2.0 | | |
| 21 | 57 | 11.0 | 4.0 | 6.0 | 10.0 | 51 | 6.0 | 4.0 | 5.5 | 9.3 | 37 | 7.6 | 3.0 | 3.5 | 6.5 | 22 | 0.0 | 2.0 | | |
| 22 | 57 | 12.2 | 3.1 | 5.8 | 10.8 | 53 | 4.0 | 5.1 | 7.0 | 12.0 | 36 | 9.1 | 2.0 | * 3.3 | * 5.3 | 22 | 0.0 | 2.0 | | |
| 23 | 60 | 8.3 | 5.0 | 5.5 | 10.0 | 53 | 4.0 | 4.0 | 5.0 | 8.3 | 36 | 6.9 | 3.7 | 4.0 | 6.0 | 22 | 0.0 | 0.0 | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

# Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION CODY, AUSTRALIA LAT. 30.6 S LONG. 130.4 E AUGUST 1964

| HR. LMT | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 154 | 2.0 | 2.0 | 8.0 | 12.0 | 125 | 6.0 | 4.0 | 9.0 | 14.5 | 104 | 6.6 | 6.0 | 7.0 | 12.5 | 84 | 6.0 | 4.0 | 6.0 | 11.5 |
| 01 | 154 | 2.0 | 2.0 | 7.5 | 12.0 | 126 | 4.3 | 3.0 | 7.8 | 12.5 | 104 | 7.3 | 5.6 | 7.5 | 12.3 | 84 | 6.0 | 5.3 | 6.0 | 10.5 |
| 02 | 154 | 2.0 | 2.0 | 8.3 | 12.5 | 126 | 5.0 | 3.0 | 7.8 | 12.5 | 104 | 5.3 | 5.6 | 6.5 | 11.0 | 84 | 6.0 | 6.0 | 5.5 | 10.3 |
| 03 | 154 | 2.0 | 2.0 | 8.0 | 12.3 | 127 | 4.0 | 4.0 | 7.8 | 12.0 | 104 | 4.0 | 5.6 | 6.3 | 11.0 | 86 | 2.0 | 6.0 | 5.0 | 8.8 |
| 04 | 154 | 2.0 | 1.6 | 8.3 | 12.8 | 127 | 4.0 | 3.3 | 7.5 | 12.0 | 103 | 4.3 | 5.0 | 6.0 | 10.5 | 84 | 4.0 | 6.0 | 6.3 | 10.5 |
| 05 | 154 | 3.3 | 2.0 | 8.0 | 12.8 | 126 | 5.0 | 3.0 | 8.3 | 12.8 | 100 | 6.0 | 2.6 | 7.0 | 11.5 | 82 | 6.0 | 5.5 | 5.5 | 9.5 |
| 06 | 154 | 2.0 | 2.0 | 8.0 | 13.3 | 125 | 4.0 | 4.0 | 9.0 | 14.5 | 96 | 4.0 | 4.6 | * 7.5 | *13.0 | 68 | 9.0 | 7.5 | * 6.0 | *10.0 |
| 07 | 152 | 2.0 | 2.0 | 8.5 | 13.0 | 117 | 3.3 | 4.0 | 8.5 | 13.5 | 70 | 20.8 | 2.0 | * 9.0 | *13.0 | 40 | 17.3 | 2.0 | * 4.0 | * 8.5 |
| 08 | 150 | 2.0 | 2.0 | 8.5 | 14.0 | 111 | 6.6 | 4.0 | 8.0 | 12.5 | 64 | 12.0 | 7.3 | *15.0 | *19.5 | 40 | 13.3 | 2.0 | * 3.0 | * 4.5 |
| 09 | 150 | 4.0 | 2.0 | 9.8 | 15.0 | 109 | 5.7 | 5.6 | 10.5 | 16.0 | 63 | 10.4 | 5.0 | *10.5 | *14.0 | 40 | 13.2 | 1.7 | * 5.5 | * 7.0 |
| 10 | 150 | 3.7 | 2.0 | 11.0 | 17.3 | 111 | 5.7 | 5.7 | 10.5 | 17.5 | 62 | 10.8 | 6.3 | * 8.3 | *11.3 | 40 | 9.4 | 2.0 | * 4.0 | * 4.5 |
| 11 | 150 | 4.0 | 2.3 | 11.3 | 17.3 | 111 | 10.3 | 4.3 | 11.5 | 18.5 | 62 | 14.8 | 6.0 | *10.5 | *15.3 | 42 | 12.6 | 4.0 | * 3.3 | * 4.8 |
| 12 | 150 | 4.1 | 2.0 | 11.3 | 17.5 | 112 | 9.2 | 4.9 | 12.5 | 19.5 | 62 | 16.7 | 4.1 | * 4.5 | * 6.5 | 42 | 16.7 | 4.0 | * 2.5 | * 3.5 |
| 13 | 150 | 4.3 | 2.0 | 11.5 | 18.5 | 113 | 9.7 | 5.6 | 10.5 | 18.0 | 64 | 27.4 | 6.0 | * 6.0 | * 9.0 | 44 | 11.3 | 6.0 | * 3.8 | * 6.0 |
| 14 | *150 | | | *10.0 | *16.5 | *115 | | | *10.5 | *18.0 | 68 | 30.0 | 10.0 | * 9.0 | *14.3 | 44 | 14.0 | 6.0 | * 4.0 | * 5.8 |
| 15 | 152 | 3.4 | 2.0 | 9.5 | 15.0 | 113 | 13.0 | 4.1 | 8.8 | 14.8 | 68 | 23.1 | 8.0 | * 5.5 | * 8.0 | 40 | 18.2 | 2.0 | * 3.5 | * 5.3 |
| 16 | 152 | 5.5 | 2.0 | 8.8 | 14.3 | 111 | 16.0 | 5.3 | 8.3 | 13.5 | 71 | 25.4 | 7.1 | * 9.8 | *15.8 | 46 | 17.5 | 6.0 | * 5.5 | * 7.5 |
| 17 | 152 | 2.0 | 2.0 | 8.0 | 12.5 | 111 | 13.1 | 7.3 | 9.5 | 14.5 | 84 | 13.8 | 11.7 | * 8.0 | *17.5 | 62 | 17.5 | 8.0 | 8.5 | 14.0 |
| 18 | 150 | 4.0 | 2.0 | 8.0 | 13.0 | 113 | 10.0 | 4.0 | *12.8 | *18.0 | 86 | 12.0 | 5.5 | *15.0 | *22.5 | 72 | 13.8 | 6.1 | 10.0 | 16.5 |
| 19 | 152 | 4.0 | 2.0 | 7.8 | 12.8 | 118 | 11.0 | 4.3 | 11.5 | 18.0 | 92 | 13.3 | 5.3 | 12.5 | *20.3 | 78 | 14.6 | 7.3 | 6.8 | 12.8 |
| 20 | 154 | 2.0 | 2.0 | 8.0 | 13.0 | 121 | 9.3 | 4.0 | 10.0 | 15.5 | 97 | 12.3 | 6.3 | 7.5 | 11.5 | 81 | 10.3 | 7.0 | * 5.5 | *10.5 |
| 21 | 154 | 2.0 | 2.0 | 8.0 | 12.8 | 123 | 8.0 | 4.0 | 10.5 | 16.5 | 100 | 10.6 | 6.0 | 10.5 | 15.0 | 82 | 9.8 | 6.0 | 5.5 | 10.0 |
| 22 | 154 | 2.0 | 2.0 | 8.0 | 12.5 | 124 | 7.0 | 4.3 | 9.5 | 15.0 | 102 | 7.8 | 7.3 | 7.3 | 13.8 | 84 | 7.8 | 6.0 | 5.8 | 11.0 |
| 23 | 154 | 2.0 | 2.0 | 7.3 | 12.0 | 125 | 6.0 | 4.0 | 9.0 | 13.5 | 102 | 8.6 | 6.0 | 9.0 | 14.5 | 84 | 7.3 | 4.0 | 7.5 | 12.0 |

| HR. LMT | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 56 | 8.8 | 3.0 | * 5.5 | * 9.5 | 53 | 4.0 | 4.0 | 5.5 | 8.8 | 38 | 10.6 | 5.3 | 4.0 | 6.0 | 23 | 0.0 | 0.0 | | |
| 01 | 57 | 5.5 | 3.5 | 5.0 | 8.8 | 51 | 6.0 | 2.0 | 6.0 | 9.5 | 36 | 9.5 | 4.0 | * 3.5 | * 5.5 | 23 | 0.0 | 0.0 | | |
| 02 | 57 | 5.5 | 4.0 | 4.5 | 8.5 | 51 | 6.0 | 2.0 | 5.8 | 9.3 | 35 | 6.7 | 2.6 | 3.5 | 5.5 | 23 | 0.0 | 2.0 | * 2.5 | * 3.5 |
| 03 | 57 | 3.5 | 4.0 | 6.0 | 10.5 | 51 | 4.0 | 5.3 | 5.3 | 8.3 | 34 | 15.3 | 2.0 | * 4.3 | * 6.0 | 21 | 2.0 | 0.0 | * 2.5 | * 4.0 |
| 04 | 57 | 2.0 | 4.0 | 4.8 | 8.5 | 51 | 3.5 | 5.5 | 5.8 | 8.3 | 32 | 6.0 | 2.0 | * 3.0 | * 4.0 | 21 | 1.6 | 0.0 | | |
| 05 | 55 | 6.0 | 4.0 | 4.5 | 8.0 | 49 | 3.3 | 4.0 | 5.3 | 8.5 | 30 | 5.3 | 2.0 | * 3.5 | * 4.8 | 21 | 0.0 | 0.0 | * 2.5 | * 4.5 |
| 06 | 55 | 5.5 | 5.5 | 4.8 | 8.3 | 47 | 4.0 | 3.5 | 4.5 | 7.0 | 32 | 6.0 | 2.0 | * 3.5 | * 5.3 | 21 | 0.0 | 0.0 | | |
| 07 | 43 | 8.6 | 4.0 | * 3.5 | * 7.0 | 45 | 3.3 | 6.0 | * 4.0 | * 7.5 | 34 | 3.3 | 4.0 | * 2.5 | * 4.5 | 21 | 0.0 | 0.0 | | |
| 08 | 25 | 9.0 | 2.0 | * 5.8 | * 8.8 | 31 | 4.0 | 4.0 | * 4.0 | * 6.5 | 30 | 7.5 | 1.5 | * 3.3 | * 5.0 | 21 | 0.6 | 0.0 | | |
| 09 | 21 | 6.0 | 2.0 | * 7.5 | *10.0 | 23 | 7.7 | 2.1 | * 6.5 | *10.5 | 27 | 5.4 | 1.0 | * 4.0 | * 5.5 | 21 | 0.0 | 0.0 | * 3.0 | * 4.5 |
| 10 | 21 | 4.4 | 2.0 | * 4.5 | * 7.0 | 21 | 7.5 | 2.2 | 6.3 | 10.5 | 26 | 7.1 | 2.0 | * 2.5 | * 4.0 | 21 | 2.0 | 0.0 | | |
| 11 | 21 | 8.0 | 2.0 | 5.5 | 7.8 | 21 | 22.0 | 2.3 | * 6.0 | * 8.5 | 26 | 12.3 | 2.0 | 4.0 | 5.5 | 21 | 0.0 | 0.0 | * 2.8 | * 4.3 |
| 12 | 21 | 14.0 | 2.0 | * 6.0 | * 8.0 | 21 | 17.0 | 8.0 | * 7.5 | *11.5 | 26 | 5.1 | 2.0 | * 4.5 | * 6.0 | 21 | 2.0 | 0.0 | | |
| 13 | 19 | 6.0 | 0.0 | * 4.5 | * 8.0 | 19 | 19.7 | 4.0 | * 8.5 | *13.5 | 26 | 15.4 | 0.0 | * 5.5 | * 7.5 | 21 | 2.1 | 0.1 | * 4.5 | * 6.0 |
| 14 | * 23 | | | * 9.3 | *14.3 | * 31 | | | *11.3 | *20.5 | * 32 | | | * 5.5 | * 7.5 | 21 | 2.0 | 0.0 | | |
| 15 | 23 | 14.9 | 4.0 | * 9.0 | *11.5 | 25 | 21.0 | 4.1 | * 8.0 | *13.3 | 35 | 9.0 | 3.0 | 4.5 | 7.0 | 23 | 0.0 | 2.0 | | |
| 16 | 25 | 27.2 | 4.0 | * 8.5 | *12.5 | 33 | 17.8 | 6.0 | 7.0 | 12.0 | 40 | 7.5 | 4.0 | * 5.0 | * 7.5 | 23 | 1.5 | 1.5 | * 2.5 | * 2.5 |
| 17 | 37 | 17.0 | 6.1 | 8.0 | 14.0 | 43 | 8.0 | 2.0 | * 5.5 | * 8.0 | 40 | 6.0 | 4.0 | * 5.5 | * 8.0 | 23 | 0.0 | 0.0 | * 2.5 | * 3.0 |
| 18 | 47 | 11.5 | 7.5 | 8.0 | 14.0 | 47 | 10.0 | 4.0 | 8.0 | 13.0 | 38 | 5.3 | 1.3 | * 3.3 | * 5.8 | 23 | 0.0 | 2.0 | * 3.0 | * 5.5 |
| 19 | 50 | 9.0 | 5.0 | * 5.8 | * 9.8 | 49 | 9.3 | 3.3 | 6.0 | 9.5 | 40 | 4.0 | 4.0 | * 3.5 | * 5.5 | 23 | 0.0 | 1.5 | | |
| 20 | 53 | 8.6 | 4.0 | 5.0 | 8.5 | 51 | 8.0 | 4.0 | 4.5 | 7.3 | 40 | 2.0 | 4.0 | 4.0 | 6.0 | 23 | 0.0 | 2.0 | * 3.0 | * 5.0 |
| 21 | 55 | 8.6 | 5.3 | 6.0 | 10.5 | 51 | 6.0 | 4.0 | * 4.8 | * 8.3 | 40 | 9.0 | 4.0 | * 3.5 | * 5.8 | 23 | 0.0 | 2.0 | | |
| 22 | 55 | 9.3 | 4.0 | 5.0 | 9.5 | 53 | 4.0 | 4.0 | 6.0 | 8.5 | 40 | 13.9 | 4.0 | * 4.5 | * 7.0 | 23 | 0.0 | 0.0 | | |
| 23 | 57 | 9.0 | 4.0 | 5.5 | 10.0 | 51 | 6.0 | 2.0 | 5.0 | 9.0 | 38 | 9.8 | 4.0 | * 5.0 | * 8.3 | 23 | 0.0 | 0.0 | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION USNS ELTANIN LAT. 65.0 S LONG. 135.0 W JUNE 1964

| HR. L.S.T. | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *154 | | | | | *120 | | | | | * 90 | | | | | * 73 | | | | |
| 01 | *153 | | | | | *119 | | | | | * 88 | | | | | * 72 | | | | |
| 02 | *154 | | | | | *118 | | | | | * 91 | | | | | * 76 | | | | |
| 03 | *154 | | | | | *117 | | | | | * 88 | | | | | * 66 | | | | |
| 04 | *154 | | | | | *117 | | | | | * 92 | | | | | * 66 | | | | |
| 05 | *155 | | | | | *120 | | | | | * 84 | | | | | * 63 | | | | |
| 06 | *156 | | | | | *117 | | | | | * 88 | | | | | * 61 | | | | |
| 07 | *155 | | | | | *116 | | | | | * 85 | | | | | | | | | |
| 08 | *156 | | | | | *114 | | | | | * 79 | | | | | * 45 | | | | |
| 09 | *153 | | | | | *107 | | | | | * 68 | | | | | | | | | |
| 10 | *149 | | | | | *104 | | | | | * 68 | | | | | * 46 | | | | |
| 11 | *149 | | | | | *101 | | | | | * 66 | | | | | * 44 | | | | |
| 12 | *151 | | | | | *101 | | | | | * 69 | | | | | * 46 | | | | |
| 13 | *149 | | | | | *100 | | | | | * 72 | | | | | * 46 | | | | |
| 14 | *147 | | | | | * 97 | | | | | * 74 | | | | | * 48 | | | | |
| 15 | *147 | | | | | *101 | | | | | * 76 | | | | | * 54 | | | | |
| 16 | *149 | | | | | *107 | | | | | * 78 | | | | | * 56 | | | | |
| 17 | *149 | | | | | *109 | | | | | * 78 | | | | | * 63 | | | | |
| 18 | *149 | | | | | *113 | | | | | * 83 | | | | | * 68 | | | | |
| 19 | *151 | | | | | *114 | | | | | * 82 | | | | | * 70 | | | | |
| 20 | *152 | | | | | *117 | | | | | * 84 | | | | | * 74 | | | | |
| 21 | *153 | | | | | *117 | | | | | * 90 | | | | | * 74 | | | | |
| 22 | *153 | | | | | *119 | | | | | * 92 | | | | | * 79 | | | | |
| 23 | *153 | | | | | *121 | | | | | * 88 | | | | | * 78 | | | | |

| HR. L.S.T. | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 58 | | | * 5.0 | * 8.5 | * 56 | | | * 3.5 | * 6.5 | * 38 | | | * 2.5 | * 4.0 | * 29 | | | * 1.0 | * 2.5 |
| 01 | * 59 | | | * 4.3 | * 7.5 | * 55 | | | * 4.5 | * 7.5 | * 38 | | | * 2.3 | * 3.8 | * 29 | | | * 1.8 | * 3.0 |
| 02 | * 58 | | | * 7.3 | *12.0 | * 52 | | | * 4.0 | * 7.5 | * 39 | | | * 2.5 | * 4.0 | * 29 | | | * 1.5 | * 3.0 |
| 03 | * 60 | | | * 7.5 | *13.0 | * 51 | | | * 4.0 | * 7.5 | * 34 | | | * 1.0 | * 2.0 | * 29 | | | * 1.5 | * 2.5 |
| 04 | * 56 | | | * 5.5 | *10.5 | * 50 | | | * 5.5 | * 9.5 | * 35 | | | * 1.0 | * 2.5 | * 29 | | | * 1.5 | * 2.5 |
| 05 | * 56 | | | * 4.0 | *10.0 | * 55 | | | | | * 33 | | | * 1.5 | * 3.0 | * 29 | | | * 1.5 | * 2.5 |
| 06 | * 55 | | | * 5.3 | *10.0 | * 52 | | | * 5.0 | * 8.5 | * 33 | | | * 1.5 | * 2.8 | * 28 | | | * 1.0 | * 2.0 |
| 07 | * 51 | | | | | * 45 | | | | | * 35 | | | * 3.0 | * 4.5 | | | | | |
| 08 | * 50 | | | * 4.5 | * 8.0 | * 45 | | | * 3.5 | * 6.0 | * 34 | | | * 3.0 | * 5.0 | * 27 | | | * 1.0 | * 2.0 |
| 09 | * 44 | | | * 4.5 | * 8.5 | * 43 | | | * 5.5 | * 7.5 | * 37 | | | * 4.0 | * 6.0 | * 29 | | | * 1.5 | * 2.8 |
| 10 | * 28 | | | * 2.8 | * 6.0 | * 38 | | | * 5.0 | * 7.0 | * 33 | | | * 2.0 | * 3.8 | * 27 | | | * 1.0 | * 2.3 |
| 11 | * 29 | | | | | * 38 | | | * 3.0 | * 5.5 | * 33 | | | * 2.0 | * 3.5 | * 27 | | | * 1.0 | * 1.5 |
| 12 | * 36 | | | | | * 40 | | | * 7.0 | *12.0 | * 34 | | | * 1.0 | * 2.5 | * 28 | | | * 2.0 | * 3.3 |
| 13 | * 34 | | | * 3.0 | * 5.5 | * 42 | | | * 2.8 | * 4.8 | * 37 | | | * 2.0 | * 3.0 | * 29 | | | * 1.5 | * 2.8 |
| 14 | * 38 | | | * 2.8 | * 4.8 | * 47 | | | * 1.0 | * 2.5 | * 37 | | | * 2.5 | * 4.3 | * 27 | | | * 1.0 | * 2.5 |
| 15 | * 43 | | | | | * 53 | | | * 2.0 | * 4.0 | * 39 | | | * 2.8 | * 4.5 | * 27 | | | * 1.5 | * 2.5 |
| 16 | * 49 | | | | | * 59 | | | * 1.8 | * 3.5 | * 37 | | | * 1.5 | * 3.0 | * 29 | | | * 1.5 | * 3.0 |
| 17 | * 50 | | | * 3.0 | * 5.3 | * 59 | | | * 1.5 | * 3.5 | * 35 | | | * 1.8 | * 3.3 | * 28 | | | * 2.0 | * 3.0 |
| 18 | * 57 | | | * 3.3 | * 5.8 | * 55 | | | | | * 37 | | | * 2.0 | * 3.8 | * 29 | | | * 1.0 | * 2.5 |
| 19 | * 56 | | | * 3.0 | * 6.0 | * 53 | | | * 3.3 | * 6.0 | * 35 | | | * 1.5 | * 3.0 | * 27 | | | * 1.5 | * 2.8 |
| 20 | * 56 | | | * 3.5 | * 6.5 | * 53 | | | * 3.3 | * 5.8 | * 35 | | | * 1.8 | * 3.0 | * 29 | | | * 1.5 | * 2.5 |
| 21 | * 60 | | | * 4.5 | * 7.0 | * 55 | | | * 3.5 | * 5.5 | * 35 | | | * 2.0 | * 3.5 | * 29 | | | * 1.5 | * 2.5 |
| 22 | * 58 | | | * 3.8 | * 7.0 | * 55 | | | * 3.5 | * 7.0 | * 39 | | | * 3.3 | * 5.3 | * 29 | | | * 1.3 | * 2.8 |
| 23 | * 58 | | | | | * 54 | | | * 4.3 | * 6.8 | * 41 | | | | | * 28 | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION USNS ELTANIN LAT. 65.0 S LONG. 120.0 W JUNE 1964

| HR. LST | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *153 | | | *12.5 | *18.0 | *119 | | | * 8.0 | *11.0 | * 88 | | | * 8.0 | *12.5 | * 72 | | | * 6.5 | *12.0 |
| 01 | *155 | | | *12.0 | *18.0 | *119 | | | * 7.3 | *10.5 | * 88 | | | * 7.5 | *12.5 | * 70 | | | * 7.3 | *14.3 |
| 02 | *153 | | | *11.0 | *17.0 | *117 | | | * 7.5 | *11.0 | * 86 | | | * 6.8 | *11.5 | * 71 | | | *12.0 | *20.0 |
| 03 | *153 | | | *11.0 | *17.0 | *117 | | | * 7.8 | *11.3 | * 88 | | | *11.5 | *20.0 | * 70 | | | *11.5 | *21.0 |
| 04 | *155 | | | *12.3 | *18.3 | *117 | | | * 9.5 | *13.8 | * 86 | | | * 9.0 | *17.0 | * 62 | | | * 7.5 | *13.0 |
| 05 | *153 | | | *12.5 | *19.0 | *115 | | | *10.5 | *17.5 | * 82 | | | | | * 58 | | | * 8.5 | *14.0 |
| 06 | *153 | | | *10.8 | *17.0 | *117 | | | *11.3 | *19.0 | * 84 | | | *10.3 | *17.0 | * 54 | | | | |
| 07 | *152 | | | *11.3 | *18.3 | *117 | | | *12.0 | *19.0 | * 83 | | | | | * 54 | | | * 7.0 | *10.0 |
| 08 | *153 | | | *12.3 | *18.5 | *115 | | | *11.5 | *17.5 | * 74 | | | * 7.0 | *12.5 | * 56 | | | | |
| 09 | *153 | | | *11.0 | *18.0 | *112 | | | *10.3 | *18.0 | * 75 | | | | | * 44 | | | * 6.0 | *10.0 |
| 10 | *151 | | | *11.5 | *18.0 | *105 | | | * 8.8 | *14.3 | * 72 | | | | | * 44 | | | * 4.5 | * 8.0 |
| 11 | *151 | | | *11.5 | *17.0 | *102 | | | * 7.8 | *11.8 | * 70 | | | | | * 50 | | | * 2.0 | * 3.5 |
| 12 | *149 | | | *10.8 | *16.0 | *101 | | | *11.3 | *17.0 | * 85 | | | *14.0 | *25.0 | * 48 | | | * 7.5 | *12.0 |
| 13 | *147 | | | * 9.8 | *15.0 | *101 | | | *12.3 | *14.3 | * 68 | | | * 7.0 | *10.0 | * 46 | | | * 6.5 | * 9.5 |
| 14 | *149 | | | *10.0 | *15.0 | *101 | | | *10.0 | *14.5 | * 76 | | | * 3.0 | * 5.5 | * 46 | | | * 6.0 | *11.0 |
| 15 | *149 | | | * 9.5 | *15.0 | *101 | | | *10.5 | *15.0 | * 69 | | | * 8.0 | *15.0 | * 54 | | | * 5.5 | * 9.5 |
| 16 | *149 | | | * 9.3 | *14.8 | *105 | | | *10.0 | *15.5 | * 78 | | | * 2.8 | * 5.0 | * 52 | | | * 6.5 | *10.0 |
| 17 | *147 | | | *10.8 | *16.3 | *111 | | | * 7.5 | *12.0 | * 84 | | | * 5.5 | * 9.0 | * 64 | | | * 7.5 | *13.5 |
| 18 | *153 | | | *10.0 | *17.0 | *111 | | | * 8.0 | *12.5 | * 80 | | | * 5.5 | *10.0 | * 66 | | | * 3.0 | * 6.5 |
| 19 | *149 | | | *10.5 | *16.0 | *113 | | | * 7.0 | *10.8 | * 84 | | | * 5.8 | * 9.5 | * 68 | | | * 4.5 | * 8.0 |
| 20 | *151 | | | *11.5 | *17.0 | *115 | | | * 7.8 | *11.5 | * 84 | | | * 6.5 | *11.3 | * 70 | | | * 4.3 | * 7.5 |
| 21 | *149 | | | *13.0 | *19.0 | *117 | | | * 7.0 | *11.0 | * 86 | | | * 8.5 | *15.0 | * 72 | | | * 5.5 | * 9.3 |
| 22 | *153 | | | *12.5 | *18.0 | *117 | | | * 8.8 | *13.5 | * 88 | | | * 6.3 | *11.3 | * 74 | | | * 6.5 | *11.0 |
| 23 | *153 | | | *12.0 | *18.0 | *117 | | | * 7.5 | *11.0 | * 88 | | | * 7.0 | *11.5 | * 74 | | | * 6.5 | *12.0 |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 56 | | | | | * 53 | | | | | * 37 | | | | | * 29 | | | | |
| 01 | * 56 | | | | | * 53 | | | | | * 35 | | | | | * 29 | | | | |
| 02 | * 54 | | | | | * 53 | | | | | * 37 | | | | | * 29 | | | | |
| 03 | * 54 | | | | | * 53 | | | | | * 33 | | | | | * 29 | | | | |
| 04 | * 52 | | | | | * 49 | | | | | * 33 | | | | | * 27 | | | | |
| 05 | * 50 | | | | | * 45 | | | | | * 33 | | | | | * 29 | | | | |
| 06 | * 50 | | | | | * 46 | | | | | * 33 | | | | | * 29 | | | | |
| 07 | * 46 | | | | | * 46 | | | | | * 33 | | | | | * 29 | | | | |
| 08 | * 48 | | | | | * 43 | | | | | * 33 | | | | | * 29 | | | | |
| 09 | * 43 | | | | | * 41 | | | | | * 37 | | | | | * 27 | | | | |
| 10 | * 38 | | | | | * 39 | | | | | * 37 | | | | | * 27 | | | | |
| 11 | * 34 | | | | | * 37 | | | | | * 33 | | | | | * 29 | | | | |
| 12 | * 36 | | | | | * 39 | | | | | * 33 | | | | | * 29 | | | | |
| 13 | * 38 | | | | | * 43 | | | | | * 33 | | | | | * 29 | | | | |
| 14 | * 42 | | | | | * 45 | | | | | * 35 | | | | | * 29 | | | | |
| 15 | * 44 | | | | | * 51 | | | | | * 37 | | | | | * 27 | | | | |
| 16 | * 48 | | | | | * 55 | | | | | * 35 | | | | | * 27 | | | | |
| 17 | * 51 | | | | | * 55 | | | | | * 36 | | | | | * 27 | | | | |
| 18 | * 52 | | | | | * 59 | | | | | * 35 | | | | | * 27 | | | | |
| 19 | * 52 | | | | | * 51 | | | | | * 35 | | | | | * 29 | | | | |
| 20 | * 54 | | | | | * 49 | | | | | * 37 | | | | | * 29 | | | | |
| 21 | * 54 | | | | | * 31 | | | | | * 35 | | | | | * 29 | | | | |
| 22 | * 54 | | | | | * 49 | | | | | * 37 | | | | | * 29 | | | | |
| 23 | * 54 | | | | | * 51 | | | | | * 37 | | | | | * 29 | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{om}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION USNS ELTANIN LAT. 65.0 S LONG. 105.0 W JUNE 1964

| HR. LST | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *153 | | | *12.0 | *18.0 | *117 | | | * 6.0 | * 9.0 | * 89 | | | * 8.8 | *15.8 | * 78 | | | * 6.0 | *12.0 |
| 01 | *153 | | | *12.5 | *18.0 | *118 | | | * 7.5 | *11.3 | * 90 | | | * 7.0 | *12.5 | * 72 | | | * 5.8 | *10.0 |
| 02 | *153 | | | *12.3 | *18.5 | *118 | | | * 8.5 | *12.3 | * 88 | | | * 6.8 | *12.3 | * 66 | | | * 7.0 | *14.0 |
| 03 | *154 | | | *12.0 | *18.5 | *118 | | | * 6.0 | * 9.5 | * 86 | | | | | * 63 | | | *11.0 | *19.5 |
| 04 | *153 | | | *13.0 | *19.5 | *119 | | | * 9.0 | *13.0 | * 86 | | | *12.0 | *20.0 | * 55 | | | *10.0 | *17.5 |
| 05 | *153 | | | *12.8 | *19.5 | *116 | | | *10.5 | *15.0 | * 85 | | | *14.3 | *21.5 | * 52 | | | *11.0 | *17.0 |
| 06 | *153 | | | *13.5 | *21.0 | *116 | | | *12.0 | *20.0 | * 82 | | | *11.3 | *20.5 | * 53 | | | * 9.0 | *13.3 |
| 07 | *154 | | | *13.0 | *20.0 | *116 | | | *12.0 | *20.5 | * 83 | | | *11.0 | *19.0 | * 56 | | | | |
| 08 | *155 | | | *12.5 | *18.5 | *117 | | | *14.0 | *22.0 | * 80 | | | *11.8 | *18.3 | * 46 | | | * 6.0 | * 8.5 |
| 09 | *157 | | | *12.5 | *19.0 | *116 | | | *12.0 | *21.0 | * 76 | | | * 5.5 | * 9.5 | * 47 | | | | |
| 10 | *155 | | | *12.0 | *19.0 | *106 | | | *10.5 | *17.0 | * 68 | | | * 8.0 | *13.5 | | | | | |
| 11 | *151 | | | *11.5 | *18.5 | *102 | | | * 7.5 | *12.3 | * 78 | | | * 2.5 | * 4.5 | * 50 | | | * 6.0 | * 8.0 |
| 12 | *147 | | | * 9.3 | *14.5 | *100 | | | * 8.5 | *12.5 | * 82 | | | * 3.8 | * 6.0 | * 46 | | | * 4.0 | * 7.5 |
| 13 | *150 | | | * 8.0 | *12.8 | *103 | | | *12.5 | *17.0 | * 82 | | | * 8.0 | *19.0 | * 52 | | | * 6.3 | * 9.8 |
| 14 | *150 | | | * 8.5 | *13.5 | *102 | | | *12.0 | *17.3 | * 80 | | | *18.0 | *24.0 | * 51 | | | * 7.8 | *11.0 |
| 15 | *149 | | | * 8.5 | *13.8 | *103 | | | * 8.0 | *12.0 | * 76 | | | * 5.5 | * 8.5 | * 48 | | | * 5.0 | * 8.5 |
| 16 | *149 | | | * 8.0 | *12.0 | *103 | | | * 9.0 | *14.5 | * 80 | | | * 5.0 | * 7.5 | * 54 | | | * 5.5 | * 9.3 |
| 17 | *149 | | | * 8.5 | *14.0 | *108 | | | * 8.5 | *13.5 | * 79 | | | * 6.0 | * 9.5 | * 61 | | | * 5.8 | * 9.8 |
| 18 | *150 | | | * 8.5 | *13.5 | *112 | | | * 6.5 | *11.0 | * 77 | | | * 4.5 | * 7.5 | * 61 | | | * 4.0 | * 8.5 |
| 19 | *152 | | | * 8.0 | *12.5 | *114 | | | * 7.5 | *11.0 | * 81 | | | * 4.8 | * 8.3 | * 68 | | | * 4.5 | *10.0 |
| 20 | *151 | | | *10.0 | *15.0 | *115 | | | * 5.5 | * 9.0 | * 88 | | | * 6.0 | *10.5 | * 70 | | | * 4.3 | * 7.5 |
| 21 | *150 | | | *10.0 | *15.5 | *113 | | | * 6.0 | * 9.5 | * 86 | | | * 5.0 | * 9.0 | * 70 | | | * 6.0 | *11.0 |
| 22 | *150 | | | *11.5 | *17.5 | *115 | | | * 8.0 | *12.5 | * 89 | | | * 4.5 | * 8.5 | * 71 | | | * 6.0 | *11.0 |
| 23 | *152 | | | *12.8 | *19.0 | *118 | | | * 6.0 | * 9.0 | * 90 | | | * 7.0 | *12.0 | * 72 | | | * 4.8 | * 9.3 |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 60 | | | | | * 55 | | | | | * 35 | | | | | * 29 | | | | |
| 01 | * 58 | | | | | * 54 | | | | | * 33 | | | | | * 29 | | | | |
| 02 | * 57 | | | | | * 52 | | | | | * 33 | | | | | * 29 | | | | |
| 03 | * 54 | | | | | * 51 | | | | | * 31 | | | | | * 29 | | | | |
| 04 | * 54 | | | | | * 47 | | | | | * 31 | | | | | * 29 | | | | |
| 05 | * 49 | | | | | * 40 | | | | | * 32 | | | | | * 29 | | | | |
| 06 | * 49 | | | | | * 39 | | | | | * 32 | | | | | * 29 | | | | |
| 07 | * 55 | | | | | * 39 | | | | | * 31 | | | | | * 29 | | | | |
| 08 | * 53 | | | | | * 40 | | | | | * 31 | | | | | * 29 | | | | |
| 09 | * 52 | | | | | * 43 | | | | | * 33 | | | | | * 29 | | | | |
| 10 | * 38 | | | | | * 43 | | | | | * 34 | | | | | * 27 | | | | |
| 11 | * 35 | | | | | * 36 | | | | | * 38 | | | | | * 28 | | | | |
| 12 | * 35 | | | | | * 37 | | | | | * 37 | | | | | * 29 | | | | |
| 13 | * 39 | | | | | * 45 | | | | | * 37 | | | | | * 27 | | | | |
| 14 | * 44 | | | | | * 47 | | | | | * 37 | | | | | * 30 | | | | |
| 15 | * 45 | | | | | * 48 | | | | | * 37 | | | | | * 29 | | | | |
| 16 | * 44 | | | | | * 49 | | | | | * 35 | | | | | * 29 | | | | |
| 17 | * 47 | | | | | * 53 | | | | | * 35 | | | | | * 28 | | | | |
| 18 | * 54 | | | | | * 59 | | | | | * 35 | | | | | * 28 | | | | |
| 19 | * 55 | | | | | * 60 | | | | | * 35 | | | | | * 27 | | | | |
| 20 | * 56 | | | | | * 57 | | | | | * 35 | | | | | * 29 | | | | |
| 21 | * 57 | | | | | * 52 | | | | | * 35 | | | | | * 27 | | | | |
| 22 | * 58 | | | | | * 53 | | | | | * 35 | | | | | * 28 | | | | |
| 23 | * 59 | | | | | * 53 | | | | | * 34 | | | | | * 28 | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION USNS ELTANIN LAT. 65.0 S LONG. 90.0 W JUNE 1964

| HR. LST | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *150 | | | | | *114 | | | | | * 88 | | | | | * 68 | | | | |
| 01 | *150 | | | | | *114 | | | | | * 86 | | | | | * 70 | | | | |
| 02 | *149 | | | | | *113 | | | | | * 84 | | | | | * 70 | | | | |
| 03 | *149 | | | | | *112 | | | | | * 82 | | | | | * 68 | | | | |
| 04 | *149 | | | | | *111 | | | | | * 78 | | | | | * 60 | | | | |
| 05 | *149 | | | | | *111 | | | | | * 76 | | | | | * 54 | | | | |
| 06 | *149 | | | | | *110 | | | | | * 80 | | | | | * 53 | | | | |
| 07 | *149 | | | | | *111 | | | | | * 82 | | | | | * 49 | | | | |
| 08 | *150 | | | | | *113 | | | | | * 78 | | | | | * 50 | | | | |
| 09 | *155 | | | | | *109 | | | | | * 72 | | | | | | | | | |
| 10 | *150 | | | | | *104 | | | | | * 72 | | | | | | | | | |
| 11 | *149 | | | | | * 99 | | | | | * 72 | | | | | * 44 | | | | |
| 12 | *147 | | | | | * 97 | | | | | * 74 | | | | | | | | | |
| 13 | *147 | | | | | * 97 | | | | | * 68 | | | | | * 44 | | | | |
| 14 | *147 | | | | | * 97 | | | | | * 72 | | | | | * 45 | | | | |
| 15 | *147 | | | | | * 99 | | | | | * 74 | | | | | * 48 | | | | |
| 16 | *145 | | | | | *101 | | | | | * 71 | | | | | * 53 | | | | |
| 17 | *147 | | | | | *103 | | | | | * 75 | | | | | * 58 | | | | |
| 18 | *147 | | | | | *107 | | | | | * 76 | | | | | * 62 | | | | |
| 19 | *148 | | | | | *109 | | | | | * 80 | | | | | * 66 | | | | |
| 20 | *147 | | | | | *111 | | | | | * 84 | | | | | * 70 | | | | |
| 21 | *147 | | | | | *111 | | | | | * 86 | | | | | * 70 | | | | |
| 22 | *149 | | | | | *113 | | | | | * 88 | | | | | * 70 | | | | |
| 23 | *149 | | | | | *115 | | | | | * 88 | | | | | * 72 | | | | |

| HR. LST | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 58 | | | * 5.0 | * 9.3 | * 53 | | | * 4.0 | * 7.5 | * 35 | | | * 1.5 | * 2.8 | * 29 | | | * 1.5 | * 2.5 |
| 01 | * 57 | | | 5.5 | 9.0 | * 51 | | | * 5.0 | * 9.5 | * 33 | | | * 1.0 | * 2.3 | * 28 | | | * 1.5 | * 2.5 |
| 02 | * 57 | | | * 4.0 | * 8.0 | * 53 | | | * 4.5 | * 8.0 | * 33 | | | * 1.0 | * 2.5 | * 27 | | | * 1.0 | * 2.5 |
| 03 | * 54 | | | * 5.0 | * 9.0 | * 52 | | | * 4.0 | * 7.5 | * 33 | | | * 1.0 | * 2.5 | * 27 | | | * 1.0 | * 2.5 |
| 04 | * 53 | | | * 5.8 | *10.5 | * 52 | | | * 4.8 | * 8.3 | * 33 | | | * 1.0 | * 2.5 | * 27 | | | * 1.0 | * 2.0 |
| 05 | * 50 | | | * 5.5 | *10.0 | * 47 | | | * 5.5 | * 8.5 | * 33 | | | * 1.5 | * 3.0 | * 27 | | | * 0.8 | * 2.0 |
| 06 | * 48 | | | * 7.5 | *11.0 | * 45 | | | * 3.5 | * 6.0 | * 32 | | | * 1.5 | * 2.8 | * 27 | | | * 1.5 | * 3.0 |
| 07 | * 49 | | | * 9.0 | *12.0 | * 45 | | | * 3.5 | * 5.8 | * 33 | | | * 1.0 | * 3.0 | * 27 | | | * 1.0 | * 2.0 |
| 08 | * 55 | | | * 8.0 | *15.5 | * 43 | | | * 5.5 | * 9.0 | * 33 | | | * 2.3 | * 3.3 | | | | | |
| 09 | * 49 | | | * 7.5 | *12.5 | * 43 | | | * 4.8 | * 7.5 | * 34 | | | * 2.3 | * 3.8 | * 27 | | | * 1.5 | * 3.0 |
| 10 | * 45 | | | * 6.5 | *10.5 | * 41 | | | * 5.0 | * 7.5 | * 35 | | | * 2.3 | * 4.3 | * 27 | | | * 1.5 | * 3.0 |
| 11 | * 33 | | | * 5.5 | * 8.8 | * 35 | | | * 2.0 | * 4.0 | * 32 | | | * 3.0 | * 5.0 | * 27 | | | * 1.0 | * 2.5 |
| 12 | * 32 | | | *10.0 | *14.0 | * 37 | | | * 2.0 | * 4.3 | * 35 | | | * 3.0 | * 4.5 | * 27 | | | * 0.5 | * 2.0 |
| 13 | * 38 | | | * 4.5 | * 8.0 | * 39 | | | * 2.3 | * 3.5 | * 33 | | | * 2.0 | * 4.0 | * 27 | | | * 0.8 | * 2.3 |
| 14 | * 43 | | | * 3.0 | * 5.8 | * 43 | | | * 2.0 | * 4.0 | * 33 | | | * 1.8 | * 3.3 | * 27 | | | * 1.0 | * 2.5 |
| 15 | * 42 | | | * 3.0 | * 5.5 | * 45 | | | | | * 33 | | | * 1.5 | * 3.0 | * 27 | | | * 1.5 | * 2.8 |
| 16 | * 42 | | | * 3.0 | * 6.0 | * 45 | | | * 2.0 | * 4.5 | * 33 | | | * 1.5 | * 3.5 | * 27 | | | * 1.5 | * 2.0 |
| 17 | * 46 | | | * 3.5 | * 6.0 | * 49 | | | * 2.0 | * 4.0 | * 35 | | | * 1.3 | * 2.8 | * 27 | | | * 0.5 | * 2.0 |
| 18 | * 50 | | | | | * 51 | | | * 1.5 | * 3.5 | * 35 | | | * 1.0 | * 3.0 | * 27 | | | * 1.0 | * 2.3 |
| 19 | * 53 | | | | | * 55 | | | * 2.5 | * 5.0 | * 35 | | | * 2.0 | * 3.5 | * 29 | | | * 1.0 | * 2.5 |
| 20 | * 54 | | | * 3.5 | * 6.0 | * 53 | | | * 2.3 | * 4.8 | * 35 | | | * 1.3 | * 2.8 | * 27 | | | * 1.0 | * 2.3 |
| 21 | * 56 | | | * 3.0 | * 5.5 | * 57 | | | * 2.0 | * 4.5 | * 35 | | | * 1.5 | * 3.0 | * 27 | | | * 1.5 | * 2.8 |
| 22 | * 56 | | | * 5.3 | * 8.3 | * 51 | | | * 3.0 | * 6.0 | * 33 | | | * 1.3 | * 2.8 | * 27 | | | * 0.5 | * 2.0 |
| 23 | * 56 | | | * 4.0 | * 7.8 | * 51 | | | | | * 35 | | | * 1.3 | * 2.8 | * 27 | | | * 1.3 | * 2.5 |

* Fewer thon 15 doys doto on power meosurements ond no computotions mode for $D_u$ ond $D_\ell$.

** Fewer thon 7 doys doto on voltoge ond logorithmic measurements.

$F_{om}$ = medion volue of effective ontenno noise in db obove ktb.

$D_u$ = ratio of upper decile to medion in db.

$D_\ell$ = ratio of medion to lower decile in db.

$V_{dm}$ = medion deviotion of overoge voltoge in db below meon power.

$L_{dm}$ = medion deviotion of overoge logorithm in db below meon power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION USNS ELTANIN LAT. 55.0 S LONG. 135.0 W JUNE 1964

| HR. LST. | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *153 | | | | | *121 | | | | | * 96 | | | | | * 84 | | | | |
| 01 | *153 | | | | | *121 | | | | | *100 | | | | | * 84 | | | | |
| 02 | *155 | | | | | *123 | | | | | * 98 | | | | | * 82 | | | | |
| 03 | *155 | | | | | *121 | | | | | * 98 | | | | | * 82 | | | | |
| 04 | *155 | | | | | *121 | | | | | * 92 | | | | | * 74 | | | | |
| 05 | *155 | | | | | *121 | | | | | * 97 | | | | | * 76 | | | | |
| 06 | *155 | | | | | *119 | | | | | * 94 | | | | | * 72 | | | | |
| 07 | *155 | | | | | *119 | | | | | * 92 | | | | | * 64 | | | | |
| 08 | *155 | | | | | *115 | | | | | * 76 | | | | | * 47 | | | | |
| 09 | *151 | | | | | *109 | | | | | * 71 | | | | | * 47 | | | | |
| 10 | *150 | | | | | *103 | | | | | * 72 | | | | | * 52 | | | | |
| 11 | *151 | | | | | *103 | | | | | * 76 | | | | | * 48 | | | | |
| 12 | *151 | | | | | *101 | | | | | * 70 | | | | | * 51 | | | | |
| 13 | *150 | | | | | *101 | | | | | * 72 | | | | | * 50 | | | | |
| 14 | *149 | | | | | *103 | | | | | * 70 | | | | | * 50 | | | | |
| 15 | *149 | | | | | *105 | | | | | * 80 | | | | | * 59 | | | | |
| 16 | *149 | | | | | *109 | | | | | * 80 | | | | | * 64 | | | | |
| 17 | *151 | | | | | *113 | | | | | * 88 | | | | | * 70 | | | | |
| 18 | *151 | | | | | *119 | | | | | * 90 | | | | | * 78 | | | | |
| 19 | *151 | | | | | *119 | | | | | * 94 | | | | | * 80 | | | | |
| 20 | *151 | | | | | *121 | | | | | * 96 | | | | | * 82 | | | | |
| 21 | *153 | | | | | *119 | | | | | * 98 | | | | | * 82 | | | | |
| 22 | *153 | | | | | *121 | | | | | *100 | | | | | * 83 | | | | |
| 23 | *151 | | | | | *121 | | | | | *100 | | | | | * 84 | | | | |

| HR. LST. | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 66 | | | | | * 57 | | | * 4.5 | * 8.5 | * 36 | | | | | * 29 | | | * 0.5 | * 2.0 |
| 01 | * 66 | | | * 5.3 | * 9.5 | * 57 | | | * 3.8 | * 7.5 | * 37 | | | * 1.0 | * 2.5 | * 29 | | | * 0.8 | * 2.3 |
| 02 | * 64 | | | * 6.5 | *10.5 | * 57 | | | * 5.8 | * 8.3 | * 41 | | | * 2.0 | * 3.5 | * 29 | | | * 1.0 | * 2.5 |
| 03 | * 64 | | | * 6.0 | *11.5 | * 55 | | | * 4.8 | * 8.5 | * 35 | | | * 1.0 | * 2.5 | * 29 | | | * 1.3 | * 2.5 |
| 04 | * 60 | | | * 5.8 | *11.3 | * 53 | | | * 6.0 | * 9.5 | * 35 | | | * 1.8 | * 3.5 | * 29 | | | * 1.0 | * 2.5 |
| 05 | * 63 | | | * 5.0 | *13.5 | * 51 | | | * 4.0 | * 6.5 | * 34 | | | * 1.0 | * 2.3 | * 29 | | | * 1.0 | * 2.5 |
| 06 | * 58 | | | * 4.5 | *10.5 | * 49 | | | * 4.3 | * 7.3 | * 31 | | | * 1.3 | * 2.8 | * 29 | | | * 1.0 | * 2.5 |
| 07 | * 58 | | | * 9.0 | *15.5 | * 50 | | | *10.0 | *16.0 | * 33 | | | * 2.0 | * 3.0 | * 27 | | | | |
| 08 | * 53 | | | | | * 45 | | | * 2.0 | * 3.5 | * 35 | | | * 1.3 | * 2.8 | * 27 | | | * 2.3 | * 3.5 |
| 09 | * 46 | | | * 6.5 | *11.0 | * 39 | | | * 4.3 | * 7.3 | * 34 | | | * 3.5 | * 5.5 | * 27 | | | * 0.5 | * 2.0 |
| 10 | * 30 | | | * 3.0 | * 6.0 | * 31 | | | * 6.8 | * 9.5 | * 33 | | | * 2.5 | * 4.0 | * 27 | | | * 0.5 | * 2.0 |
| 11 | * 32 | | | * 3.5 | * 7.5 | * 31 | | | * 2.0 | * 4.0 | * 33 | | | * 1.8 | * 3.8 | * 27 | | | * 0.5 | * 1.5 |
| 12 | * 36 | | | | | * 33 | | | | | * 36 | | | * 2.5 | * 4.8 | * 27 | | | * 2.5 | * 3.5 |
| 13 | * 32 | | | | | * 38 | | | * 5.5 | * 8.0 | * 39 | | | * 2.0 | * 4.5 | * 27 | | | * 2.0 | * 3.0 |
| 14 | * 36 | | | * 4.5 | * 8.0 | * 47 | | | * 2.5 | * 4.5 | * 39 | | | * 2.0 | * 4.0 | * 28 | | | * 1.5 | * 2.5 |
| 15 | * 40 | | | * 4.3 | * 7.8 | * 55 | | | * 2.0 | * 4.0 | * 44 | | | * 2.5 | * 5.0 | * 29 | | | * 1.5 | * 2.5 |
| 16 | * 50 | | | | | * 57 | | | * 2.3 | * 5.0 | * 39 | | | * 1.5 | * 3.0 | * 29 | | | * 1.5 | * 2.5 |
| 17 | * 58 | | | * 6.0 | *11.5 | * 61 | | | * 2.0 | * 4.5 | * 39 | | | * 1.5 | * 3.0 | * 28 | | | * 1.5 | * 2.5 |
| 18 | * 62 | | | * 4.5 | * 8.5 | * 57 | | | * 2.8 | * 5.0 | * 37 | | | * 2.3 | * 4.3 | * 29 | | | * 1.5 | * 2.5 |
| 19 | * 64 | | | * 4.5 | * 8.0 | * 55 | | | * 2.5 | * 5.0 | * 37 | | | * 1.0 | * 2.5 | * 29 | | | * 1.0 | * 2.5 |
| 20 | * 62 | | | * 4.3 | * 7.8 | * 57 | | | * 4.8 | * 8.0 | * 41 | | | * 1.5 | * 3.5 | * 29 | | | * 1.5 | * 2.8 |
| 21 | * 64 | | | * 5.8 | * 9.8 | * 57 | | | * 4.5 | * 8.5 | * 39 | | | * 1.5 | * 3.0 | * 29 | | | * 1.3 | * 2.5 |
| 22 | * 64 | | | * 5.0 | * 8.5 | * 57 | | | * 5.0 | * 9.5 | * 39 | | | * 2.0 | * 4.0 | * 29 | | | * 1.0 | * 2.0 |
| 23 | * 64 | | | * 3.5 | * 8.0 | * 57 | | | * 3.0 | * 7.0 | * 39 | | | * 2.0 | * 3.5 | * 29 | | | * 0.8 | * 2.3 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION USNS ELTANIN LAT. 55.0 S LONG. 165.0 W JULY 1964

| Hr. Gmt. | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *152 | | | * 9.8 | *12.8 | *117 | | | *10.0 | *14.8 | * 91 | | | * 8.5 | *13.5 | * 76 | | | * 7.0 | *11.5 |
| 01 | *152 | | | *10.5 | *14.3 | *117 | | | * 9.0 | *12.8 | * 91 | | | *14.0 | *21.0 | * 78 | | | *10.5 | *16.5 |
| 02 | *152 | | | *11.5 | *15.0 | *119 | | | *12.3 | *16.8 | * 93 | | | * 8.5 | *14.0 | * 78 | | | *11.0 | *16.5 |
| 03 | *154 | | | *11.3 | *17.3 | *117 | | | *10.5 | *15.3 | * 97 | | | | | * 84 | | | *13.0 | *19.5 |
| 04 | *154 | | | *12.3 | *18.3 | *119 | | | *11.8 | *17.3 | * 89 | | | * 8.5 | *13.5 | * 76 | | | *11.0 | *17.5 |
| 05 | *154 | | | *13.3 | *19.5 | *117 | | | *13.0 | *19.3 | * 89 | | | *15.0 | *23.0 | * 72 | | | * 9.3 | *15.5 |
| 06 | *154 | | | *13.0 | *20.0 | *121 | | | *14.5 | *21.0 | * 87 | | | *12.8 | *20.8 | * 70 | | | *14.5 | *24.0 |
| 07 | *152 | | | *14.0 | *20.0 | *119 | | | *11.5 | *17.5 | * 83 | | | * 8.0 | *12.5 | * 73 | | | | |
| 08 | *152 | | | *13.8 | *20.0 | *111 | | | | | * 65 | | | | | * 42 | | | * 4.5 | * 9.0 |
| 09 | *147 | | | *11.8 | *17.3 | *109 | | | *10.5 | *17.0 | * 69 | | | | | * 46 | | | * 4.5 | * 7.5 |
| 10 | *146 | | | | | *105 | | | | | * 71 | | | * 7.5 | *12.5 | * 42 | | | * 4.5 | * 8.0 |
| 11 | *144 | | | * 9.0 | *14.0 | *103 | | | *13.0 | *19.5 | * 69 | | | * 6.0 | * 9.5 | * 52 | | | * 6.0 | *11.0 |
| 12 | *144 | | | * 9.0 | *13.5 | *101 | | | *15.5 | *21.0 | * 73 | | | * 7.0 | *10.8 | * 43 | | | | |
| 13 | *142 | | | *11.3 | *16.0 | *103 | | | *14.0 | *21.0 | * 69 | | | | | * 42 | | | * 6.5 | *10.0 |
| 14 | *144 | | | *13.3 | *18.8 | * 98 | | | *10.5 | *13.5 | * 63 | | | * 9.0 | *14.5 | * 44 | | | * 4.0 | * 6.0 |
| 15 | *138 | | | *13.3 | *18.5 | * 97 | | | *12.0 | *19.3 | * 70 | | | * 5.5 | * 9.0 | * 52 | | | * 6.0 | *10.0 |
| 16 | *144 | | | *13.8 | *19.3 | *103 | | | *10.3 | *15.8 | * 71 | | | | | * 62 | | | * 6.5 | *10.5 |
| 17 | *140 | | | * 9.5 | *15.0 | *111 | | | * 8.8 | *13.3 | * 85 | | | *13.0 | *22.0 | * 75 | | | * 5.5 | *10.0 |
| 18 | *144 | | | * 8.0 | *12.5 | *117 | | | | | * 89 | | | *10.8 | *19.0 | * 74 | | | * 7.5 | *12.8 |
| 19 | *148 | | | *10.3 | *15.8 | *121 | | | * 6.0 | * 9.5 | * 91 | | | | | * 78 | | | * 9.5 | *15.0 |
| 20 | *148 | | | * 9.0 | *13.5 | *118 | | | * 7.5 | *11.0 | * 90 | | | * 9.0 | *13.5 | * 83 | | | | |
| 21 | *152 | | | *10.8 | *15.8 | *118 | | | * 9.0 | *14.0 | * 85 | | | | | * 74 | | | * 6.0 | *10.5 |
| 22 | *152 | | | *10.8 | *15.8 | *115 | | | * 7.5 | *12.0 | * 87 | | | *11.3 | *16.8 | * 73 | | | * 8.0 | *13.0 |
| 23 | *152 | | | * 7.0 | *11.0 | *115 | | | * 8.5 | *12.5 | * 87 | | | *10.0 | *14.5 | * 76 | | | * 5.3 | * 9.5 |

| Hr. Gmt. | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 59 | | | | | * 55 | | | | | * 38 | | | | | * 29 | | | | |
| 01 | * 59 | | | | | * 53 | | | | | * 36 | | | | | * 29 | | | | |
| 02 | * 61 | | | | | * 53 | | | | | * 34 | | | | | * 29 | | | | |
| 03 | * 59 | | | | | * 47 | | | | | * 34 | | | | | * 29 | | | | |
| 04 | * 63 | | | | | * 49 | | | | | * 34 | | | | | * 29 | | | | |
| 05 | * 61 | | | | | * 43 | | | | | * 32 | | | | | * 29 | | | | |
| 06 | * 61 | | | | | * 45 | | | | | * 34 | | | | | * 29 | | | | |
| 07 | * 57 | | | | | * 43 | | | | | * 34 | | | | | * 27 | | | | |
| 08 | * 51 | | | | | * 41 | | | | | * 33 | | | | | * 27 | | | | |
| 09 | * 32 | | | | | * 35 | | | | | * 32 | | | | | * 27 | | | | |
| 10 | | | | | | * 33 | | | | | * 32 | | | | | * 27 | | | | |
| 11 | * 29 | | | | | * 33 | | | | | * 38 | | | | | * 27 | | | | |
| 12 | * 29 | | | | | * 33 | | | | | * 42 | | | | | * 27 | | | | |
| 13 | * 36 | | | | | * 35 | | | | | * 46 | | | | | * 27 | | | | |
| 14 | * 33 | | | | | * 42 | | | | | * 46 | | | | | * 27 | | | | |
| 15 | * 36 | | | | | * 55 | | | | | * 44 | | | | | * 29 | | | | |
| 16 | * 47 | | | | | * 57 | | | | | * 38 | | | | | * 27 | | | | |
| 17 | * 53 | | | | | * 55 | | | | | * 38 | | | | | * 27 | | | | |
| 18 | * 57 | | | | | * 55 | | | | | * 38 | | | | | * 29 | | | | |
| 19 | * 59 | | | | | * 57 | | | | | * 39 | | | | | * 28 | | | | |
| 20 | * 61 | | | | | * 57 | | | | | * 39 | | | | | * 29 | | | | |
| 21 | * 61 | | | | | * 59 | | | | | * 38 | | | | | * 29 | | | | |
| 22 | * 61 | | | | | * 58 | | | | | * 37 | | | | | * 29 | | | | |
| 23 | * 59 | | | | | * 57 | | | | | * 36 | | | | | * 29 | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION USNS ELTANIN LAT. 55.0 S LONG. 150.0 W JULY 1964

| HR. L.S.T. | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *152 | | | * 8.0 | *13.0 | *119 | | | *10.0 | *14.5 | * 95 | | | *10.3 | *16.0 | * 79 | | | | |
| 01 | *152 | | | * 9.0 | *15.0 | *117 | | | * 8.5 | *12.8 | * 90 | | | | | * 76 | | | *11.0 | *19.0 |
| 02 | *153 | | | * 8.3 | *13.5 | *117 | | | *12.5 | *18.0 | * 94 | | | *12.0 | *20.0 | * 81 | | | *12.5 | *24.0 |
| 03 | *152 | | | *10.0 | *16.0 | *118 | | | *11.0 | *16.0 | * 94 | | | | | * 76 | | | *12.5 | *24.0 |
| 04 | *153 | | | *10.5 | *17.0 | *119 | | | *10.5 | *18.0 | * 91 | | | | | * 75 | | | | |
| 05 | *153 | | | *11.8 | *18.5 | *118 | | | *12.0 | *19.0 | * 91 | | | *12.0 | *19.0 | * 68 | | | | |
| 06 | *153 | | | *13.0 | *20.0 | *117 | | | *12.0 | *18.5 | * 87 | | | | | * 67 | | | *12.5 | *24.0 |
| 07 | *153 | | | *12.5 | *20.0 | *115 | | | *13.0 | *20.0 | * 82 | | | * 8.8 | *15.3 | * 54 | | | * 8.5 | *15.0 |
| 08 | *152 | | | *14.5 | *23.0 | *111 | | | *11.0 | *19.5 | * 74 | | | | | * 46 | | | | |
| 09 | *146 | | | | | *108 | | | | | * 71 | | | *11.5 | *17.5 | * 43 | | | * 5.0 | * 7.5 |
| 10 | *146 | | | *11.5 | *18.0 | *101 | | | *11.5 | *17.0 | * 65 | | | * 8.0 | *12.5 | * 42 | | | | |
| 11 | *144 | | | *10.5 | *16.5 | * 97 | | | * 5.5 | * 9.0 | * 66 | | | | | * 50 | | | | |
| 12 | *146 | | | *10.5 | *15.5 | * 99 | | | *11.5 | *15.0 | * 80 | | | | | * 52 | | | *10.0 | *17.0 |
| 13 | *144 | | | * 9.0 | *14.0 | * 99 | | | | | * 73 | | | * 9.0 | *16.0 | * 52 | | | * 7.3 | *12.5 |
| 14 | *144 | | | * 7.5 | *13.5 | *107 | | | | | * 63 | | | | | * 54 | | | * 8.5 | *15.5 |
| 15 | *141 | | | * 9.0 | *14.0 | * 93 | | | * 5.0 | * 8.5 | * 63 | | | * 6.5 | * 9.0 | * 60 | | | * 9.0 | *12.5 |
| 16 | *141 | | | *11.0 | *16.0 | *107 | | | *10.0 | *16.0 | * 83 | | | * 8.0 | *13.3 | * 66 | | | | |
| 17 | *142 | | | *11.5 | *16.8 | *108 | | | * 7.5 | *11.5 | * 79 | | | | | * 72 | | | * 4.8 | * 9.5 |
| 18 | *143 | | | *10.8 | *16.3 | *113 | | | * 6.5 | *10.5 | * 84 | | | | | * 71 | | | * 4.3 | * 8.8 |
| 19 | *145 | | | *11.3 | *16.8 | *116 | | | * 6.3 | *10.3 | * 89 | | | * 8.5 | *14.0 | * 72 | | | * 6.0 | *10.0 |
| 20 | *145 | | | * 8.5 | *14.0 | *116 | | | * 6.0 | *10.5 | * 90 | | | * 6.8 | *11.0 | * 73 | | | * 5.0 | * 9.3 |
| 21 | *147 | | | * 9.3 | *14.0 | *116 | | | * 7.3 | *12.3 | * 90 | | | * 8.0 | *13.0 | * 74 | | | * 6.0 | *10.5 |
| 22 | *149 | | | * 9.0 | *13.5 | *118 | | | * 6.5 | *11.8 | * 89 | | | * 6.0 | *10.0 | * 73 | | | * 6.3 | *11.0 |
| 23 | *150 | | | * 8.5 | *13.5 | *118 | | | * 8.5 | *14.0 | * 91 | | | *10.5 | *17.0 | * 75 | | | * 7.3 | *11.3 |

| HR. L.S.T. | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 58 | | | | | * 57 | | | | | * 46 | | | | | * 29 | | | | |
| 01 | * 58 | | | | | * 54 | | | | | * 49 | | | | | * 29 | | | | |
| 02 | * 55 | | | | | * 49 | | | | | * 46 | | | | | * 29 | | | | |
| 03 | * 58 | | | | | * 49 | | | | | * 48 | | | | | * 29 | | | | |
| 04 | * 58 | | | | | * 48 | | | | | * 43 | | | | | * 28 | | | | |
| 05 | * 59 | | | | | * 46 | | | | | * 34 | | | | | * 28 | | | | |
| 06 | * 56 | | | | | * 44 | | | | | * 34 | | | | | * 28 | | | | |
| 07 | * 55 | | | | | * 46 | | | | | * 34 | | | | | * 28 | | | | |
| 08 | * 55 | | | | | * 43 | | | | | * 39 | | | | | * 27 | | | | |
| 09 | * 39 | | | | | * 38 | | | | | * 36 | | | | | * 27 | | | | |
| 10 | * 27 | | | | | * 35 | | | | | * 32 | | | | | * 27 | | | | |
| 11 | * 29 | | | | | * 33 | | | | | * 33 | | | | | * 29 | | | | |
| 12 | * 41 | | | | | * 35 | | | | | * 41 | | | | | * 28 | | | | |
| 13 | * 29 | | | | | * 37 | | | | | * 47 | | | | | * 28 | | | | |
| 14 | * 35 | | | | | * 47 | | | | | * 51 | | | | | * 28 | | | | |
| 15 | * 39 | | | | | * 49 | | | | | * 46 | | | | | * 27 | | | | |
| 16 | * 51 | | | | | * 54 | | | | | * 39 | | | | | * 30 | | | | |
| 17 | * 54 | | | | | * 54 | | | | | * 41 | | | | | * 28 | | | | |
| 18 | * 55 | | | | | * 54 | | | | | * 42 | | | | | * 27 | | | | |
| 19 | * 55 | | | | | * 54 | | | | | * 38 | | | | | * 29 | | | | |
| 20 | * 55 | | | | | * 55 | | | | | * 38 | | | | | * 27 | | | | |
| 21 | * 55 | | | | | * 54 | | | | | * 37 | | | | | * 28 | | | | |
| 22 | * 55 | | | | | * 55 | | | | | * 39 | | | | | * 29 | | | | |
| 23 | * 56 | | | | | * 58 | | | | | * 42 | | | | | * 29 | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logorithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION USNS ELTANIN LAT. 55.0 S LONG. 135.0 W JULY 1964

| HR. LST | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *152 | | | | | *117 | | | | | * 93 | | | | | * 80 | | | | |
| 01 | *154 | | | | | *119 | | | | | * 93 | | | | | * 86 | | | | |
| 02 | *152 | | | | | *119 | | | | | * 95 | | | | | * 82 | | | | |
| 03 | *152 | | | | | *121 | | | | | * 95 | | | | | * 84 | | | | |
| 04 | *154 | | | | | *117 | | | | | * 95 | | | | | * 78 | | | | |
| 05 | *152 | | | | | *119 | | | | | * 95 | | | | | * 78 | | | | |
| 06 | *152 | | | | | *117 | | | | | * 91 | | | | | * 91 | | | | |
| 07 | *150 | | | | | *119 | | | | | * 89 | | | | | * 60 | | | | |
| 08 | *152 | | | | | *114 | | | | | * 77 | | | | | * 67 | | | | |
| 09 | *150 | | | | | *110 | | | | | * 76 | | | | | * 50 | | | | |
| 10 | *146 | | | | | *106 | | | | | * 71 | | | | | * 44 | | | | |
| 11 | *145 | | | | | *105 | | | | | * 73 | | | | | * 48 | | | | |
| 12 | *146 | | | | | *105 | | | | | * 73 | | | | | * 44 | | | | |
| 13 | *150 | | | | | *103 | | | | | * 75 | | | | | * 44 | | | | |
| 14 | *146 | | | | | *107 | | | | | * 79 | | | | | * 46 | | | | |
| 15 | *146 | | | | | *109 | | | | | * 73 | | | | | * 48 | | | | |
| 16 | *144 | | | | | *105 | | | | | * 70 | | | | | * 64 | | | | |
| 17 | *148 | | | | | *109 | | | | | * 77 | | | | | * 68 | | | | |
| 18 | *142 | | | | | *108 | | | | | * 79 | | | | | * 70 | | | | |
| 19 | *148 | | | | | *115 | | | | | * 85 | | | | | * 78 | | | | |
| 20 | *148 | | | | | *111 | | | | | * 85 | | | | | * 74 | | | | |
| 21 | *146 | | | | | *140 | | | | | * 95 | | | | | * 77 | | | | |
| 22 | *149 | | | | | *116 | | | | | * 91 | | | | | * 74 | | | | |
| 23 | *150 | | | | | *115 | | | | | * 90 | | | | | * 77 | | | | |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 60 | | | * 6.3 | *11.0 | * 57 | | | * 4.5 | * 8.5 | * 44 | | | * 1.5 | * 2.5 | * 29 | | | * 1.3 | * 2.8 |
| 01 | * 58 | | | | | * 58 | | | * 5.5 | * 9.3 | * 43 | | | | | * 31 | | | * 1.0 | * 2.5 |
| 02 | * 60 | | | * 8.5 | *14.0 | * 55 | | | * 4.5 | * 8.0 | * 39 | | | * 2.0 | * 3.5 | * 30 | | | * 1.3 | * 2.5 |
| 03 | * 60 | | | * 7.3 | *11.5 | * 51 | | | | | * 36 | | | * 0.8 | * 2.5 | * 29 | | | * 1.5 | * 3.0 |
| 04 | * 61 | | | | | * 51 | | | * 6.5 | * 9.5 | * 36 | | | * 1.5 | * 2.8 | * 27 | | | * 1.5 | * 2.8 |
| 05 | * 60 | | | * 7.0 | *13.0 | * 48 | | | | | * 37 | | | * 1.5 | * 2.5 | * 29 | | | * 1.3 | * 2.8 |
| 06 | * 61 | | | | | * 51 | | | * 8.3 | *12.0 | * 35 | | | * 3.3 | * 5.3 | * 29 | | | * 1.0 | * 8.0 |
| 07 | * 57 | | | | | * 49 | | | * 5.5 | * 7.0 | * 34 | | | * 1.5 | * 2.5 | * 29 | | | * 1.0 | * 2.0 |
| 08 | * 54 | | | * 7.3 | *12.5 | * 46 | | | | | * 34 | | | | | * 37 | | | * 2.0 | * 2.5 |
| 09 | * 41 | | | * 6.0 | *10.0 | * 42 | | | * 2.8 | * 4.5 | * 36 | | | * 3.3 | * 5.0 | * 30 | | | * 1.3 | * 2.0 |
| 10 | * 33 | | | | | * 32 | | | * 4.5 | * 6.3 | * 32 | | | | | * 27 | | | * 0.5 | * 2.0 |
| 11 | * 25 | | | | | * 32 | | | * 5.0 | * 6.5 | * 34 | | | * 1.5 | * 3.0 | * 30 | | | * 0.5 | * 2.0 |
| 12 | * 25 | | | | | * 33 | | | | | * 38 | | | * 2.5 | * 4.5 | * 29 | | | * 0.5 | * 1.5 |
| 13 | * 63 | | | | | * 37 | | | | | * 40 | | | * 1.5 | * 3.5 | * 27 | | | * 2.0 | * 3.0 |
| 14 | * 31 | | | | | * 43 | | | * 3.5 | * 6.0 | * 44 | | | * 1.5 | * 3.5 | * 29 | | | * 4.0 | * 7.0 |
| 15 | * 37 | | | * 3.5 | * 6.5 | * 53 | | | * 4.0 | * 8.0 | * 46 | | | * 3.5 | * 6.5 | * 29 | | | * 1.3 | * 2.5 |
| 16 | * 43 | | | | | * 61 | | | * 1.5 | * 3.5 | * 40 | | | * 3.5 | * 6.5 | * 29 | | | * 1.5 | * 3.0 |
| 17 | * 51 | | | * 2.5 | * 5.0 | * 63 | | | * 1.0 | * 3.0 | * 42 | | | * 1.5 | * 3.5 | * 29 | | | * 1.0 | * 2.5 |
| 18 | * 57 | | | * 3.0 | * 6.0 | * 63 | | | * 4.5 | * 6.0 | * 42 | | | * 2.5 | * 4.8 | * 29 | | | * 1.5 | * 2.5 |
| 19 | * 57 | | | | | * 55 | | | * 4.8 | * 8.3 | * 42 | | | * 3.0 | * 5.0 | * 29 | | | * 1.5 | * 3.0 |
| 20 | * 57 | | | | | * 55 | | | * 2.5 | * 5.0 | * 40 | | | * 2.0 | * 3.5 | * 27 | | | * 2.0 | * 3.0 |
| 21 | * 58 | | | | | * 58 | | | * 8.0 | *13.0 | * 40 | | | | | * 27 | | | * 0.5 | * 1.0 |
| 22 | * 59 | | | * 3.5 | * 6.0 | * 57 | | | * 3.5 | * 7.0 | * 40 | | | * 2.0 | * 3.5 | * 29 | | | * 1.5 | * 2.8 |
| 23 | * 63 | | | * 8.0 | *13.0 | * 55 | | | | | * 42 | | | | | * 27 | | | * 1.3 | * 2.8 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION USNS ELTANIN LAT. 45.0 S LONG. 180.0 JULY 1964

| HR. L.S.T. | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *158 | | | *12.0 | *17.0 | *129 | | | *11.8 | *18.0 | *107 | | | *10.0 | *18.0 | * 92 | | | * 7.5 | *17.0 |
| 01 | *156 | | | *11.5 | *17.0 | *129 | | | *14.5 | *20.0 | *107 | | | *12.5 | *19.5 | * 90 | | | * 8.5 | *17.0 |
| 02 | *160 | | | *12.5 | *18.0 | *129 | | | *13.8 | *20.5 | *107 | | | * 9.5 | *18.0 | * 92 | | | *10.3 | *19.0 |
| 03 | *158 | | | *13.0 | *18.5 | *131 | | | *13.5 | *19.8 | *107 | | | *11.5 | *19.5 | * 94 | | | *10.0 | *18.5 |
| 04 | *160 | | | *13.3 | *19.3 | *131 | | | *13.0 | *19.0 | *105 | | | *11.3 | *18.8 | * 88 | | | *11.3 | *19.3 |
| 05 | *158 | | | *13.0 | *19.0 | *129 | | | *12.3 | *18.3 | *105 | | | *12.5 | *20.0 | * 86 | | | * 3.5 | * 8.5 |
| 06 | *160 | | | *13.0 | *19.0 | *125 | | | *13.5 | *20.0 | *103 | | | *12.0 | *19.3 | * 82 | | | *10.0 | *17.0 |
| 07 | *158 | | | *12.0 | *18.0 | *123 | | | *15.0 | *21.0 | * 87 | | | | | * 54 | | | * 9.0 | *13.5 |
| 08 | *154 | | | *12.0 | *18.0 | *121 | | | *12.8 | *19.5 | * 83 | | | *12.3 | *19.5 | | | | | |
| 09 | *152 | | | | | *119 | | | *15.0 | *23.0 | * 83 | | | *12.3 | *20.5 | * 50 | | | *10.0 | *17.0 |
| 10 | *153 | | | *11.5 | *17.0 | *118 | | | *15.0 | *23.0 | * 86 | | | *11.0 | *20.0 | * 53 | | | * 9.8 | *17.0 |
| 11 | *152 | | | *12.0 | *17.3 | *116 | | | *16.8 | *24.0 | * 86 | | | *13.5 | *22.0 | * 52 | | | | |
| 12 | *153 | | | *15.3 | *20.5 | *119 | | | *17.8 | *23.0 | * 86 | | | *13.8 | *20.0 | * 53 | | | * 6.8 | *10.5 |
| 13 | *152 | | | *13.3 | *18.5 | *111 | | | *14.5 | *22.0 | * 82 | | | *10.5 | *18.0 | * 50 | | | *11.0 | *15.0 |
| 14 | *151 | | | *15.5 | *22.0 | *116 | | | *13.5 | *21.0 | * 76 | | | *14.0 | *19.0 | * 50 | | | * 5.0 | * 9.0 |
| 15 | *152 | | | *14.3 | *20.3 | *119 | | | *15.5 | *22.0 | * 83 | | | *13.0 | *17.5 | * 58 | | | | |
| 16 | *151 | | | *12.0 | *18.5 | *121 | | | *16.3 | *22.5 | * 87 | | | *13.5 | *22.0 | * 73 | | | *13.0 | *21.0 |
| 17 | *150 | | | *15.5 | *20.8 | *120 | | | *14.0 | *21.0 | * 95 | | | *12.8 | *20.0 | * 80 | | | *11.0 | *19.3 |
| 18 | *152 | | | *14.0 | *19.0 | *122 | | | *13.5 | *21.0 | * 98 | | | *10.5 | *19.0 | * 88 | | | *12.5 | *21.0 |
| 19 | *154 | | | *11.8 | *17.3 | *123 | | | *11.5 | *17.8 | *102 | | | *13.0 | *19.0 | * 88 | | | *10.5 | *17.8 |
| 20 | *156 | | | *12.3 | *17.3 | *124 | | | *13.0 | *19.8 | *103 | | | *10.5 | *19.0 | * 91 | | | *10.0 | *17.0 |
| 21 | *156 | | | *11.0 | *16.0 | *128 | | | *12.0 | *18.8 | *104 | | | *11.8 | *19.3 | * 90 | | | * 9.5 | *18.0 |
| 22 | *157 | | | *10.0 | *15.0 | *128 | | | *12.0 | *17.3 | *106 | | | *11.0 | *19.0 | * 93 | | | *10.5 | *18.0 |
| 23 | *157 | | | *11.3 | *16.5 | *129 | | | *15.0 | *21.0 | *107 | | | *10.5 | *18.0 | * 94 | | | *11.0 | *21.0 |

| HR. L.S.T. | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 69 | | | | | * 60 | | | | | * 44 | | | | | * 29 | | | | |
| 01 | * 71 | | | | | * 59 | | | | | * 44 | | | | | * 29 | | | | |
| 02 | * 69 | | | | | * 59 | | | | | * 42 | | | | | * 29 | | | | |
| 03 | * 69 | | | | | * 57 | | | | | * 40 | | | | | * 29 | | | | |
| 04 | * 67 | | | | | * 59 | | | | | * 36 | | | | | * 27 | | | | |
| 05 | * 65 | | | | | * 55 | | | | | * 36 | | | | | * 27 | | | | |
| 06 | * 63 | | | | | * 55 | | | | | * 38 | | | | | * 27 | | | | |
| 07 | * 65 | | | | | * 53 | | | | | * 36 | | | | | * 27 | | | | |
| 08 | * 45 | | | | | * 41 | | | | | * 43 | | | | | * 27 | | | | |
| 09 | * 43 | | | | | * 37 | | | | | * 39 | | | | | * 27 | | | | |
| 10 | * 37 | | | | | * 34 | | | | | * 41 | | | | | * 27 | | | | |
| 11 | * 33 | | | | | * 34 | | | | | * 39 | | | | | * 27 | | | | |
| 12 | * 34 | | | | | * 35 | | | | | * 38 | | | | | * 27 | | | | |
| 13 | * 36 | | | | | * 32 | | | | | * 40 | | | | | * 27 | | | | |
| 14 | * 40 | | | | | * 35 | | | | | * 44 | | | | | * 27 | | | | |
| 15 | * 43 | | | | | * 43 | | | | | * 42 | | | | | * 27 | | | | |
| 16 | * 53 | | | | | * 48 | | | | | * 44 | | | | | * 27 | | | | |
| 17 | * 57 | | | | | * 52 | | | | | * 43 | | | | | * 28 | | | | |
| 18 | * 62 | | | | | * 53 | | | | | * 42 | | | | | * 28 | | | | |
| 19 | * 64 | | | | | * 54 | | | | | * 39 | | | | | * 29 | | | | |
| 20 | * 66 | | | | | * 56 | | | | | * 41 | | | | | * 29 | | | | |
| 21 | * 67 | | | | | * 57 | | | | | * 39 | | | | | * 29 | | | | |
| 22 | * 70 | | | | | * 58 | | | | | * 42 | | | | | * 29 | | | | |
| 23 | * 71 | | | | | * 58 | | | | | * 42 | | | | | * 29 | | | | |

* Fewer thon 15 days data on power meosurements and no computotians mode for $D_u$ ond $D_\ell$.

** Fewer thon 7 doys doto an voltoge ond logorithmic meosurements.

$F_{am}$ = medion value of effective ontenno noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of medion to lower decile in db.

$V_{dm}$ = median deviation of average voltoge in db below meon power.

$L_{dm}$ = median deviation of overage logorithm in db below meon power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION USNS ELTANIN LAT. 65.0 S LONG. 165.0 W AUGUST 1964

| HR. LST | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *154 | | | *10.0 | *15.0 | *118 | | | *10.5 | *16.5 | * 94 | | | *14.0 | *20.0 | * 77 | | | *12.0 | *18.5 |
| 01 | *154 | | | *11.0 | *15.5 | *118 | | | | | * 94 | | | | | * 77 | | | *16.0 | *22.0 |
| 02 | *154 | | | *11.0 | *16.5 | *120 | | | *12.0 | *17.0 | * 94 | | | *13.5 | *19.8 | * 73 | | | *13.8 | *21.0 |
| 03 | *154 | | | *10.5 | *15.8 | *118 | | | *11.3 | *18.0 | * 90 | | | *10.0 | *15.5 | * 75 | | | * 9.5 | *17.5 |
| 04 | *154 | | | *10.5 | *16.5 | *120 | | | *11.0 | *16.5 | * 92 | | | *10.5 | *17.5 | * 73 | | | *12.0 | *19.0 |
| 05 | *154 | | | *12.5 | *17.5 | *116 | | | *12.5 | *18.8 | * 84 | | | *11.5 | *16.3 | * 67 | | | *16.0 | *21.0 |
| 06 | *154 | | | *12.0 | *18.0 | *114 | | | *11.3 | *17.0 | * 86 | | | *11.5 | *19.0 | * 53 | | | *11.0 | *15.5 |
| 07 | *152 | | | *11.0 | *17.0 | *110 | | | * 8.8 | *13.8 | * 74 | | | * 5.3 | * 8.5 | * 41 | | | * 3.8 | * 6.0 |
| 08 | *151 | | | *10.0 | *15.8 | *109 | | | * 9.0 | *15.0 | * 74 | | | * 5.8 | * 9.8 | * 43 | | | * 4.8 | * 8.0 |
| 09 | *150 | | | *10.5 | *15.5 | *108 | | | *12.5 | *16.5 | * 68 | | | | | * 46 | | | *14.0 | *16.0 |
| 10 | *150 | | | *10.5 | *15.5 | *101 | | | *10.8 | *15.3 | * 72 | | | * 9.5 | *13.0 | * 42 | | | | |
| 11 | *150 | | | *10.5 | *15.0 | *100 | | | *11.0 | *15.0 | * 78 | | | * 7.5 | * 9.5 | * 51 | | | * 3.8 | * 8.0 |
| 12 | *148 | | | * 9.0 | *13.5 | *102 | | | *18.5 | *22.0 | * 82 | | | * 4.5 | * 7.5 | * 49 | | | * 6.5 | * 9.0 |
| 13 | *149 | | | *10.5 | *15.5 | *102 | | | *17.8 | *23.0 | * 80 | | | *10.3 | *16.0 | * 51 | | | * 4.0 | * 5.0 |
| 14 | *146 | | | *12.5 | *17.5 | *100 | | | *10.0 | *14.3 | * 72 | | | | | * 51 | | | * 2.8 | * 4.3 |
| 15 | *148 | | | *11.5 | *17.0 | *104 | | | * 9.0 | *14.0 | * 78 | | | * 3.0 | * 6.0 | * 55 | | | * 4.0 | * 6.5 |
| 16 | *146 | | | *10.5 | *16.5 | *112 | | | * 8.3 | *12.5 | * 88 | | | * 5.0 | *10.5 | * 65 | | | * 9.5 | *14.0 |
| 17 | *148 | | | *10.0 | *15.5 | *110 | | | * 5.5 | * 9.0 | * 82 | | | * 7.3 | *11.0 | * 69 | | | * 7.5 | *11.5 |
| 18 | *146 | | | *12.0 | *17.0 | *112 | | | * 7.0 | *11.0 | * 90 | | | * 3.5 | *11.0 | * 75 | | | *12.0 | *17.0 |
| 19 | *150 | | | *11.3 | *16.5 | *114 | | | * 6.5 | *10.5 | * 88 | | | * 8.5 | *14.0 | * 75 | | | * 6.0 | * 9.5 |
| 20 | *152 | | | *10.0 | *14.8 | *118 | | | * 8.8 | *13.5 | * 90 | | | *12.0 | *18.0 | * 75 | | | * 7.0 | *11.0 |
| 21 | *150 | | | * 9.0 | *13.0 | *116 | | | *10.0 | *14.5 | * 90 | | | *11.5 | *16.5 | * 77 | | | *11.5 | *16.5 |
| 22 | *152 | | | *10.0 | *14.5 | *116 | | | *10.0 | *15.5 | * 90 | | | *10.8 | *16.0 | * 77 | | | *10.3 | *16.3 |
| 23 | *154 | | | * 9.8 | *14.5 | *118 | | | * 9.5 | *14.5 | * 96 | | | *13.5 | *20.0 | * 79 | | | *12.3 | *18.8 |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 57 | | | | | * 52 | | | | | * 38 | | | | | * 26 | | | | |
| 01 | * 55 | | | | | * 50 | | | | | * 36 | | | | | * 26 | | | | |
| 02 | * 55 | | | | | * 48 | | | | | * 34 | | | | | * 26 | | | | |
| 03 | * 53 | | | | | * 46 | | | | | * 34 | | | | | * 26 | | | | |
| 04 | * 53 | | | | | * 48 | | | | | * 33 | | | | | * 24 | | | | |
| 05 | * 54 | | | | | * 46 | | | | | * 32 | | | | | * 24 | | | | |
| 06 | * 51 | | | | | * 44 | | | | | * 34 | | | | | * 24 | | | | |
| 07 | * 43 | | | | | * 40 | | | | | * 36 | | | | | * 24 | | | | |
| 08 | * 31 | | | | | * 40 | | | | | * 34 | | | | | * 24 | | | | |
| 09 | * 35 | | | | | * 36 | | | | | * 34 | | | | | * 24 | | | | |
| 10 | * 35 | | | | | * 35 | | | | | * 38 | | | | | * 24 | | | | |
| 11 | * 31 | | | | | * 32 | | | | | * 40 | | | | | * 24 | | | | |
| 12 | * 33 | | | | | * 30 | | | | | * 38 | | | | | * 24 | | | | |
| 13 | * 37 | | | | | * 44 | | | | | * 42 | | | | | * 26 | | | | |
| 14 | * 37 | | | | | * 54 | | | | | * 42 | | | | | * 26 | | | | |
| 15 | * 42 | | | | | * 64 | | | | | * 42 | | | | | * 28 | | | | |
| 16 | * 49 | | | | | * 66 | | | | | * 44 | | | | | * 27 | | | | |
| 17 | * 51 | | | | | * 56 | | | | | * 44 | | | | | * 26 | | | | |
| 18 | * 55 | | | | | * 56 | | | | | * 42 | | | | | * 27 | | | | |
| 19 | * 61 | | | | | * 56 | | | | | * 36 | | | | | * 26 | | | | |
| 20 | * 61 | | | | | * 54 | | | | | * 36 | | | | | * 26 | | | | |
| 21 | * 57 | | | | | * 54 | | | | | * 38 | | | | | * 26 | | | | |
| 22 | * 57 | | | | | * 54 | | | | | * 38 | | | | | * 26 | | | | |
| 23 | * 59 | | | | | * 54 | | | | | * 38 | | | | | * 26 | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logorithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION USNS ELTANIN LAT. 65.0 S LONG. 150.0 W AUGUST 1964

| HR. LST | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *148 | | | | | *116 | | | | | * 88 | | | | | * 77 | | | | |
| 01 | *148 | | | | | *116 | | | | | * 88 | | | | | * 75 | | | | |
| 02 | *148 | | | | | *116 | | | | | * 88 | | | | | * 71 | | | | |
| 03 | *150 | | | | | *116 | | | | | * 88 | | | | | * 73 | | | | |
| 04 | *148 | | | | | *114 | | | | | * 86 | | | | | * 67 | | | | |
| 05 | *148 | | | | | *114 | | | | | * 86 | | | | | * 66 | | | | |
| 06 | *150 | | | | | *112 | | | | | * 84 | | | | | * 57 | | | | |
| 07 | *150 | | | | | *108 | | | | | * 74 | | | | | * 49 | | | | |
| 08 | *148 | | | | | *108 | | | | | * 70 | | | | | * 45 | | | | |
| 09 | *146 | | | | | *104 | | | | | * 63 | | | | | * 49 | | | | |
| 10 | *146 | | | | | *100 | | | | | * 68 | | | | | * 45 | | | | |
| 11 | *146 | | | | | * 92 | | | | | * 65 | | | | | * 48 | | | | |
| 12 | *146 | | | | | * 91 | | | | | * 79 | | | | | * 45 | | | | |
| 13 | *144 | | | | | * 90 | | | | | * 62 | | | | | * 45 | | | | |
| 14 | *144 | | | | | * 93 | | | | | * 68 | | | | | * 47 | | | | |
| 15 | *142 | | | | | * 98 | | | | | * 68 | | | | | * 52 | | | | |
| 16 | *142 | | | | | *102 | | | | | * 74 | | | | | * 61 | | | | |
| 17 | *140 | | | | | *108 | | | | | * 84 | | | | | * 69 | | | | |
| 18 | *142 | | | | | *112 | | | | | * 86 | | | | | * 75 | | | | |
| 19 | *144 | | | | | *114 | | | | | * 90 | | | | | * 77 | | | | |
| 20 | *144 | | | | | *114 | | | | | * 88 | | | | | * 77 | | | | |
| 21 | *148 | | | | | *114 | | | | | * 90 | | | | | * 77 | | | | |
| 22 | *148 | | | | | *116 | | | | | * 88 | | | | | * 77 | | | | |
| 23 | *146 | | | | | *118 | | | | | * 90 | | | | | * 79 | | | | |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 59 | | | * 4.5 | * 8.5 | * 50 | | | * 4.0 | * 6.0 | * 36 | | | * 2.0 | * 3.5 | * 26 | | | * 1.5 | * 2.8 |
| 01 | * 57 | | | * 4.5 | * 8.0 | * 50 | | | * 5.0 | * 7.5 | * 36 | | | * 1.8 | * 3.3 | * 24 | | | * 1.5 | * 2.8 |
| 02 | * 53 | | | * 5.0 | * 9.3 | * 48 | | | * 3.8 | * 6.3 | * 34 | | | * 1.0 | * 2.0 | * 24 | | | * 0.5 | * 2.0 |
| 03 | * 51 | | | * 6.8 | * 9.3 | * 46 | | | * 5.5 | * 8.0 | * 34 | | | * 1.0 | * 2.0 | * 24 | | | * 0.8 | * 2.0 |
| 04 | * 49 | | | * 7.0 | *11.0 | * 46 | | | * 5.5 | * 9.0 | * 34 | | | * 0.5 | * 2.5 | * 26 | | | * 1.0 | * 2.0 |
| 05 | * 51 | | | * 5.3 | *10.0 | * 46 | | | * 3.8 | * 5.8 | * 32 | | | * 1.0 | * 2.5 | * 25 | | | * 1.0 | * 2.0 |
| 06 | * 51 | | | * 7.0 | *10.8 | * 44 | | | * 3.3 | * 5.3 | * 32 | | | * 1.0 | * 2.5 | * 24 | | | * 1.0 | * 2.0 |
| 07 | * 47 | | | * 5.5 | *10.0 | * 44 | | | * 4.5 | * 8.0 | * 32 | | | * 1.5 | * 3.0 | * 24 | | | * 1.0 | * 2.5 |
| 08 | * 39 | | | * 9.0 | *13.5 | * 38 | | | * 4.0 | * 6.5 | * 35 | | | * 2.0 | * 4.0 | * 24 | | | * 1.5 | * 2.5 |
| 09 | * 36 | | | *11.3 | *13.0 | * 35 | | | * 3.0 | * 4.5 | * 36 | | | * 2.5 | * 3.8 | * 25 | | | * 1.5 | * 3.0 |
| 10 | * 33 | | | * 8.5 | *11.0 | * 34 | | | * 4.5 | * 6.5 | * 36 | | | * 5.0 | * 6.5 | * 24 | | | * 1.5 | * 2.5 |
| 11 | * 35 | | | * 5.0 | * 8.3 | * 33 | | | * 5.0 | * 8.0 | * 48 | | | * 2.5 | * 5.5 | * 24 | | | * 1.3 | * 2.5 |
| 12 | * 31 | | | * 9.0 | *10.8 | * 31 | | | * 5.3 | * 7.0 | * 48 | | | * 2.5 | * 5.3 | * 24 | | | * 1.3 | * 2.5 |
| 13 | * 32 | | | * 7.0 | * 9.5 | * 32 | | | * 5.5 | * 7.0 | * 52 | | | * 2.3 | * 4.8 | * 24 | | | * 1.3 | * 2.5 |
| 14 | * 33 | | | | | * 36 | | | * 2.5 | * 4.5 | * 54 | | | * 2.5 | * 5.5 | * 26 | | | * 2.5 | * 3.3 |
| 15 | * 41 | | | * 7.5 | *11.5 | * 54 | | | * 3.0 | * 5.5 | * 48 | | | * 2.0 | * 4.0 | * 26 | | | * 2.5 | * 4.0 |
| 16 | * 43 | | | * 6.5 | *10.0 | * 66 | | | * 2.5 | * 6.0 | * 42 | | | * 3.0 | * 5.8 | * 26 | | | * 1.3 | * 2.5 |
| 17 | * 49 | | | * 3.5 | * 6.5 | * 68 | | | * 1.5 | * 3.5 | * 40 | | | * 2.0 | * 3.5 | * 24 | | | * 1.0 | * 2.0 |
| 18 | * 55 | | | * 3.8 | * 7.0 | * 54 | | | * 2.5 | * 5.0 | * 40 | | | * 2.0 | * 4.5 | * 24 | | | * 1.0 | * 2.3 |
| 19 | * 55 | | | * 3.3 | * 5.8 | * 52 | | | * 3.5 | * 6.5 | * 43 | | | * 1.3 | * 3.0 | * 26 | | | * 1.3 | * 2.5 |
| 20 | * 57 | | | * 3.8 | * 7.8 | * 52 | | | * 3.8 | * 6.5 | * 36 | | | * 2.0 | * 3.3 | * 26 | | | * 1.0 | * 2.3 |
| 21 | * 59 | | | * 4.0 | * 7.0 | * 52 | | | * 4.0 | * 7.0 | * 36 | | | * 1.5 | * 2.8 | * 26 | | | * 1.0 | * 2.0 |
| 22 | * 61 | | | * 5.0 | * 8.5 | * 52 | | | * 4.5 | * 7.0 | * 36 | | | * 1.8 | * 3.0 | * 24 | | | * 1.5 | * 3.0 |
| 23 | * 61 | | | * 3.0 | * 6.5 | * 52 | | | * 3.8 | * 6.3 | * 36 | | | * 1.0 | * 2.0 | * 24 | | | * 1.0 | * 2.3 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION USNS ELTANIN LAT. 65.0 S LONG. 135.0 W AUGUST 1964

| HR. LST | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *152 | | | | | *118 | | | | | * 94 | | | | | * 77 | | | | |
| 01 | *152 | | | | | *120 | | | | | * 96 | | | | | * 79 | | | | |
| 02 | *154 | | | | | *120 | | | | | * 96 | | | | | * 79 | | | | |
| 03 | *154 | | | | | *122 | | | | | * 94 | | | | | * 75 | | | | |
| 04 | *154 | | | | | *120 | | | | | * 96 | | | | | * 72 | | | | |
| 05 | *154 | | | | | *122 | | | | | * 94 | | | | | * 69 | | | | |
| 06 | *154 | | | | | *118 | | | | | * 91 | | | | | * 64 | | | | |
| 07 | *152 | | | | | *116 | | | | | * 84 | | | | | * 51 | | | | |
| 08 | *152 | | | | | *112 | | | | | * 72 | | | | | * 44 | | | | |
| 09 | *148 | | | | | *106 | | | | | * 63 | | | | | * 45 | | | | |
| 10 | *149 | | | | | *103 | | | | | * 64 | | | | | * 46 | | | | |
| 11 | *151 | | | | | * 94 | | | | | * 68 | | | | | * 55 | | | | |
| 12 | *151 | | | | | * 97 | | | | | * 74 | | | | | * 49 | | | | |
| 13 | *150 | | | | | * 95 | | | | | * 70 | | | | | * 50 | | | | |
| 14 | *148 | | | | | * 98 | | | | | * 78 | | | | | * 49 | | | | |
| 15 | *148 | | | | | *108 | | | | | * 84 | | | | | * 63 | | | | |
| 16 | *146 | | | | | *106 | | | | | * 78 | | | | | * 67 | | | | |
| 17 | *146 | | | | | *112 | | | | | * 82 | | | | | * 69 | | | | |
| 18 | *146 | | | | | *114 | | | | | * 92 | | | | | * 75 | | | | |
| 19 | *148 | | | | | *116 | | | | | * 88 | | | | | * 79 | | | | |
| 20 | *148 | | | | | *116 | | | | | * 88 | | | | | * 81 | | | | |
| 21 | *151 | | | | | *118 | | | | | * 92 | | | | | * 79 | | | | |
| 22 | *152 | | | | | *118 | | | | | * 92 | | | | | * 81 | | | | |
| 23 | *154 | | | | | *118 | | | | | * 94 | | | | | * 79 | | | | |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 59 | | | * 3.5 | * 6.5 | * 56 | | | * 3.0 | * 6.0 | * 34 | | | * 2.0 | * 4.0 | * 26 | | | * 1.5 | * 2.8 |
| 01 | * 59 | | | * 3.3 | * 6.3 | * 56 | | | * 3.3 | * 6.3 | * 34 | | | * 1.0 | * 2.5 | * 26 | | | * 1.0 | * 2.5 |
| 02 | * 59 | | | * 4.0 | * 7.0 | * 52 | | | * 4.0 | * 7.5 | * 32 | | | * 1.5 | * 3.0 | * 26 | | | * 1.5 | * 3.0 |
| 03 | * 59 | | | * 5.0 | * 8.8 | * 50 | | | * 5.5 | * 8.5 | * 32 | | | * 1.5 | * 3.5 | * 24 | | | * 1.3 | * 2.5 |
| 04 | * 61 | | | * 5.5 | * 9.5 | * 44 | | | * 4.8 | * 7.3 | * 32 | | | * 1.3 | * 2.8 | * 24 | | | * 1.0 | * 2.0 |
| 05 | * 59 | | | * 6.5 | *11.5 | * 45 | | | * 4.5 | * 8.8 | * 32 | | | * 1.3 | * 2.8 | * 24 | | | * 0.5 | * 2.5 |
| 06 | * 59 | | | * 6.5 | *11.0 | * 44 | | | * 4.3 | * 8.3 | * 34 | | | | | * 24 | | | * 1.0 | * 2.0 |
| 07 | * 53 | | | * 4.0 | 0.0 | * 44 | | | * 4.0 | * 6.5 | * 36 | | | * 5.8 | * 9.3 | * 24 | | | * 1.0 | * 2.5 |
| 08 | * 39 | | | * 6.5 | * 8.5 | * 43 | | | * 5.5 | * 9.0 | * 36 | | | * 4.0 | * 6.0 | * 24 | | | * 1.5 | * 3.0 |
| 09 | * 30 | | | | | * 32 | | | * 6.5 | * 8.0 | * 40 | | | * 5.8 | * 8.0 | * 24 | | | * 1.5 | * 3.0 |
| 10 | * 28 | | | * 7.0 | * 8.5 | * 31 | | | * 5.8 | * 7.3 | * 33 | | | * 4.5 | * 6.0 | * 23 | | | * 1.5 | * 3.0 |
| 11 | * 29 | | | * 6.0 | * 7.0 | * 32 | | | * 5.5 | * 7.0 | * 32 | | | | | * 23 | | | * 1.5 | * 3.0 |
| 12 | * 31 | | | * 7.8 | * 9.8 | * 32 | | | * 5.5 | * 7.3 | * 34 | | | * 1.5 | * 3.0 | * 24 | | | * 1.5 | * 3.0 |
| 13 | * 31 | | | * 5.0 | * 7.3 | * 33 | | | * 4.5 | * 6.5 | * 38 | | | * 2.0 | * 3.8 | * 24 | | | * 1.5 | * 2.5 |
| 14 | * 31 | | | * 5.3 | * 7.3 | * 34 | | | * 4.0 | * 6.0 | * 41 | | | * 2.5 | * 5.3 | * 24 | | | * 1.0 | * 2.5 |
| 15 | * 35 | | | * 6.0 | * 8.5 | * 50 | | | * 2.0 | * 4.8 | * 40 | | | * 1.8 | * 3.8 | * 25 | | | * 1.0 | * 2.5 |
| 16 | * 51 | | | * 2.8 | * 6.3 | * 58 | | | * 1.0 | * 2.5 | * 39 | | | * 2.5 | * 4.8 | * 26 | | | * 2.0 | * 4.0 |
| 17 | * 51 | | | * 4.0 | * 6.5 | * 62 | | | * 1.5 | * 4.0 | * 40 | | | * 2.5 | * 4.5 | * 26 | | | * 3.0 | * 4.8 |
| 18 | * 57 | | | * 2.8 | * 5.3 | * 58 | | | * 5.0 | * 8.5 | * 44 | | | * 2.5 | * 4.5 | * 24 | | | * 1.5 | * 2.5 |
| 19 | * 61 | | | * 2.5 | * 5.0 | * 54 | | | * 2.5 | * 6.0 | * 38 | | | * 2.0 | * 4.0 | * 26 | | | * 1.3 | * 2.8 |
| 20 | * 59 | | | * 2.8 | * 5.3 | * 56 | | | * 2.5 | * 5.0 | * 35 | | | * 3.5 | * 5.5 | * 26 | | | * 1.5 | * 3.0 |
| 21 | * 63 | | | * 3.5 | * 6.5 | * 56 | | | * 3.5 | * 7.0 | * 36 | | | * 2.0 | * 3.5 | * 26 | | | * 1.5 | * 2.5 |
| 22 | * 63 | | | * 3.5 | * 6.5 | * 56 | | | * 3.3 | * 6.3 | * 34 | | | * 2.0 | * 3.5 | * 24 | | | * 1.8 | * 3.3 |
| 23 | * 59 | | | * 3.5 | * 6.0 | * 56 | | | * 3.0 | * 6.0 | * 34 | | | * 1.5 | * 2.5 | * 26 | | | * 2.0 | * 3.5 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION USNS ELTANIN LAT. 55.0 S LONG. 165.0 W AUGUST 1964

| HR. LST. | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *154 | | | *10.0 | *15.3 | *123 | | | *11.5 | *16.5 | * 95 | | | *11.5 | *19.0 | * 80 | | | *12.0 | *20.0 |
| 01 | *155 | | | *10.5 | *15.5 | *123 | | | *12.5 | *18.0 | * 96 | | | *13.8 | *20.5 | * 77 | | | *12.3 | *19.8 |
| 02 | *156 | | | * 9.0 | *14.0 | *125 | | | *12.5 | *17.5 | * 97 | | | *14.0 | *21.0 | * 75 | | | *11.3 | *18.3 |
| 03 | *154 | | | *10.5 | *16.5 | *124 | | | *12.0 | *17.5 | * 96 | | | *14.5 | *22.0 | * 75 | | | *13.3 | *20.5 |
| 04 | *154 | | | *11.0 | *16.8 | *123 | | | *12.0 | *17.3 | * 95 | | | *11.5 | *18.3 | * 75 | | | *11.0 | *20.0 |
| 05 | *154 | | | *12.0 | *18.0 | *123 | | | | | * 92 | | | *12.5 | *20.0 | * 71 | | | *13.5 | *22.0 |
| 06 | *154 | | | *11.5 | *18.0 | *122 | | | *11.5 | *17.0 | * 90 | | | *11.3 | *18.5 | * 65 | | | *11.8 | *20.0 |
| 07 | *153 | | | *11.5 | *17.5 | *113 | | | | | * 76 | | | *11.0 | *18.0 | * 46 | | | * 4.5 | * 6.5 |
| 08 | *151 | | | *12.0 | *17.0 | *110 | | | *12.0 | *17.5 | * 66 | | | * 8.0 | *10.5 | * 41 | | | * 4.5 | * 6.0 |
| 09 | *148 | | | *11.5 | *15.8 | *106 | | | *15.0 | *20.0 | * 66 | | | * 7.5 | *11.5 | * 41 | | | | |
| 10 | *148 | | | * 9.0 | *14.0 | *104 | | | *13.5 | *17.5 | * 65 | | | | | * 41 | | | * 6.0 | * 7.5 |
| 11 | *148 | | | *10.0 | *15.0 | *100 | | | *12.0 | *15.0 | * 76 | | | * 8.5 | *10.5 | * 59 | | | * 4.3 | * 8.3 |
| 12 | *148 | | | * 9.0 | *14.0 | *102 | | | *16.3 | *21.5 | * 82 | | | * 3.0 | * 6.5 | * 49 | | | * 2.0 | * 3.0 |
| 13 | *148 | | | * 9.5 | *17.5 | *102 | | | *16.5 | *21.5 | * 65 | | | * 7.5 | *10.0 | * 45 | | | * 3.3 | * 4.8 |
| 14 | *147 | | | *12.8 | *17.5 | *102 | | | *17.0 | *21.0 | * 67 | | | * 5.0 | * 7.5 | * 49 | | | * 4.0 | * 6.0 |
| 15 | *146 | | | *13.5 | *19.5 | *104 | | | *14.0 | *19.3 | * 74 | | | * 4.0 | * 7.0 | * 58 | | | * 5.0 | * 8.5 |
| 16 | *146 | | | *13.0 | *18.3 | *108 | | | * 8.5 | *13.0 | * 82 | | | * 2.8 | * 6.0 | * 68 | | | * 3.5 | * 7.0 |
| 17 | *147 | | | *14.0 | *19.0 | *113 | | | * 8.5 | *12.3 | * 88 | | | * 4.8 | * 8.5 | * 73 | | | * 4.3 | * 7.5 |
| 18 | *148 | | | *13.0 | *18.5 | *118 | | | * 7.5 | *11.5 | * 88 | | | * 8.0 | *11.0 | * 73 | | | * 8.0 | *11.5 |
| 19 | *150 | | | *13.0 | *18.3 | *119 | | | * 8.5 | *12.5 | * 91 | | | * 7.5 | *13.0 | * 77 | | | * 7.3 | *10.5 |
| 20 | *150 | | | *13.0 | *18.5 | *120 | | | * 9.5 | *14.0 | * 92 | | | *11.0 | *15.5 | * 79 | | | * 8.5 | *12.5 |
| 21 | *152 | | | *12.0 | *17.0 | *122 | | | *10.0 | *14.0 | * 96 | | | *11.0 | *17.0 | * 79 | | | * 8.5 | *13.0 |
| 22 | *152 | | | *10.5 | *15.5 | *122 | | | * 9.5 | *14.0 | * 93 | | | *10.8 | *17.3 | * 79 | | | * 6.0 | * 9.5 |
| 23 | *154 | | | * 8.5 | *13.5 | *122 | | | *11.3 | *16.5 | * 95 | | | *12.5 | *18.5 | * 80 | | | * 8.5 | *13.0 |

| HR. LST. | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 57 | | | * 7.5 | *11.5 | * 54 | | | * 3.5 | * 6.5 | * 40 | | | * 1.8 | * 3.3 | * 26 | | | * 0.5 | * 2.0 |
| 01 | * 56 | | | * 6.0 | *11.3 | * 51 | | | * 4.5 | * 6.5 | * 39 | | | * 1.8 | * 3.5 | * 25 | | | * 1.0 | * 2.5 |
| 02 | * 55 | | | * 7.0 | *11.0 | * 51 | | | * 5.0 | * 8.0 | * 35 | | | * 1.8 | * 3.3 | * 24 | | | * 1.0 | * 2.5 |
| 03 | * 53 | | | * 8.3 | *13.0 | * 50 | | | * 4.5 | * 7.0 | * 34 | | | * 1.3 | * 2.5 | * 25 | | | * 1.0 | * 2.5 |
| 04 | * 55 | | | * 7.0 | *11.5 | * 49 | | | | | * 34 | | | * 1.5 | * 3.0 | * 24 | | | * 1.0 | * 2.5 |
| 05 | * 53 | | | | | * 50 | | | * 5.3 | * 8.0 | * 34 | | | * 2.0 | * 3.5 | * 24 | | | * 1.0 | * 2.3 |
| 06 | * 49 | | | * 4.8 | * 8.0 | * 48 | | | * 6.0 | * 9.0 | * 37 | | | * 1.0 | * 2.5 | * 24 | | | * 1.0 | * 2.0 |
| 07 | * 46 | | | * 6.0 | * 9.0 | * 46 | | | * 4.5 | * 7.3 | * 37 | | | * 2.5 | * 4.0 | * 24 | | | * 1.0 | * 2.5 |
| 08 | * 29 | | | * 5.0 | * 7.5 | * 36 | | | * 3.0 | * 5.0 | * 34 | | | * 4.3 | * 6.0 | * 24 | | | * 1.3 | * 2.8 |
| 09 | * 27 | | | * 6.0 | * 8.0 | * 32 | | | | | * 32 | | | * 1.8 | * 3.0 | * 24 | | | * 1.3 | * 2.5 |
| 10 | * 31 | | | * 3.5 | * 5.5 | * 28 | | | * 8.5 | *10.5 | * 30 | | | * 2.0 | * 3.5 | * 24 | | | * 1.0 | * 2.5 |
| 11 | * 29 | | | * 2.5 | * 5.3 | * 30 | | | * 6.8 | * 8.5 | * 32 | | | * 1.8 | * 3.3 | * 24 | | | * 1.0 | * 2.5 |
| 12 | * 27 | | | | | * 30 | | | * 8.3 | * 9.8 | * 34 | | | * 2.0 | * 3.5 | * 24 | | | * 1.5 | * 2.5 |
| 13 | * 34 | | | | | * 30 | | | * 6.5 | * 9.5 | * 37 | | | * 2.0 | * 4.0 | * 26 | | | | |
| 14 | * 35 | | | * 8.0 | *12.0 | * 35 | | | * 4.3 | * 6.5 | * 38 | | | * 4.0 | * 6.3 | * 27 | | | * 4.5 | * 7.0 |
| 15 | * 41 | | | * 3.0 | * 5.5 | * 50 | | | * 1.5 | * 3.0 | * 40 | | | * 3.0 | * 4.8 | * 26 | | | * 5.0 | * 7.0 |
| 16 | * 45 | | | * 5.0 | * 8.8 | * 50 | | | * 3.3 | * 6.8 | * 38 | | | * 3.8 | * 6.8 | * 26 | | | * 2.0 | * 3.5 |
| 17 | * 51 | | | * 4.0 | * 7.0 | * 48 | | | * 4.0 | * 6.5 | * 40 | | | | | * 26 | | | * 1.5 | * 3.0 |
| 18 | * 55 | | | * 3.0 | * 6.0 | * 50 | | | * 3.0 | * 6.5 | * 44 | | | | | * 26 | | | * 1.0 | * 2.5 |
| 19 | * 55 | | | * 3.0 | * 6.0 | * 52 | | | * 4.8 | * 8.0 | * 42 | | | * 3.5 | * 4.5 | * 26 | | | * 1.5 | * 3.0 |
| 20 | * 56 | | | * 3.5 | * 6.5 | * 54 | | | * 4.0 | * 7.0 | * 40 | | | * 8.5 | * 4.0 | * 26 | | | * 1.3 | * 2.8 |
| 21 | * 57 | | | * 4.0 | * 7.0 | * 54 | | | * 4.5 | * 7.0 | * 39 | | | * 2.0 | * 4.0 | * 26 | | | * 1.0 | * 2.5 |
| 22 | * 59 | | | * 6.5 | * 9.0 | * 54 | | | * 4.5 | * 7.5 | * 41 | | | * 1.8 | * 3.3 | * 26 | | | * 1.5 | * 3.0 |
| 23 | * 57 | | | * 5.5 | * 9.0 | * 55 | | | * 4.0 | * 6.8 | * 41 | | | * 1.5 | * 3.5 | * 25 | | | * 2.0 | * 3.5 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{om}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION USNS ELTANIN LAT. 55.0 S LONG. 120.0 W AUGUST 1964

| HR. L.S.T. | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *150 | | | | | *120 | | | | | *100 | | | | | * 85 | | | | |
| 01 | *152 | | | | | *120 | | | | | *100 | | | | | * 83 | | | | |
| 02 | *154 | | | | | *118 | | | | | *100 | | | | | * 81 | | | | |
| 03 | *154 | | | | | *118 | | | | | * 94 | | | | | * 77 | | | | |
| 04 | *154 | | | | | *118 | | | | | * 94 | | | | | * 73 | | | | |
| 05 | *154 | | | | | *116 | | | | | * 92 | | | | | * 71 | | | | |
| 06 | *154 | | | | | *116 | | | | | * 92 | | | | | * 67 | | | | |
| 07 | *154 | | | | | *115 | | | | | * 83 | | | | | * 57 | | | | |
| 08 | *150 | | | | | *108 | | | | | * 78 | | | | | * 47 | | | | |
| 09 | *148 | | | | | *106 | | | | | * 72 | | | | | * 49 | | | | |
| 10 | *150 | | | | | * 98 | | | | | * 68 | | | | | * 45 | | | | |
| 11 | *150 | | | | | *102 | | | | | * 74 | | | | | * 57 | | | | |
| 12 | *150 | | | | | * 99 | | | | | * 78 | | | | | * 53 | | | | |
| 13 | *150 | | | | | * 98 | | | | | * 80 | | | | | * 57 | | | | |
| 14 | *149 | | | | | *102 | | | | | * 76 | | | | | * 58 | | | | |
| 15 | *148 | | | | | *106 | | | | | * 75 | | | | | * 62 | | | | |
| 16 | *149 | | | | | *110 | | | | | * 82 | | | | | * 68 | | | | |
| 17 | *147 | | | | | *110 | | | | | * 86 | | | | | * 73 | | | | |
| 18 | *148 | | | | | *115 | | | | | * 88 | | | | | * 78 | | | | |
| 19 | *147 | | | | | *117 | | | | | * 93 | | | | | * 83 | | | | |
| 20 | *149 | | | | | *119 | | | | | * 95 | | | | | * 85 | | | | |
| 21 | *148 | | | | | *119 | | | | | * 98 | | | | | * 85 | | | | |
| 22 | *150 | | | | | *120 | | | | | * 99 | | | | | * 86 | | | | |
| 23 | *151 | | | | | *122 | | | | | *100 | | | | | * 85 | | | | |

| HR. L.S.T. | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 63 | | | * 4.5 | * 7.5 | * 58 | | | * 3.0 | * 6.0 | * 52 | | | * 1.0 | * 3.0 | * 26 | | | * 1.0 | * 2.5 |
| 01 | * 61 | | | * 4.5 | * 7.5 | * 58 | | | * 3.5 | * 6.5 | * 50 | | | * 1.8 | * 3.5 | * 26 | | | * 1.0 | * 2.5 |
| 02 | * 59 | | | * 3.0 | * 5.5 | * 56 | | | * 5.0 | * 8.0 | * 44 | | | * 4.0 | * 7.5 | * 26 | | | * 1.3 | * 2.8 |
| 03 | * 55 | | | * 4.8 | * 8.0 | * 54 | | | * 5.0 | * 8.5 | * 40 | | | | | * 24 | | | * 1.5 | * 3.0 |
| 04 | * 55 | | | * 5.0 | * 9.3 | * 52 | | | * 6.3 | *10.0 | * 44 | | | * 2.0 | * 3.5 | * 24 | | | * 1.0 | * 2.0 |
| 05 | * 53 | | | * 6.5 | *12.5 | * 50 | | | * 5.3 | * 8.3 | * 34 | | | * 2.0 | * 3.5 | * 24 | | | * 1.0 | * 3.0 |
| 06 | * 51 | | | * 5.0 | * 7.8 | * 48 | | | * 5.5 | * 8.5 | * 32 | | | * 1.5 | * 3.0 | * 24 | | | * 0.8 | * 2.3 |
| 07 | * 47 | | | * 6.0 | * 9.5 | * 53 | | | * 5.3 | * 8.5 | * 36 | | | * 1.8 | * 3.3 | * 26 | | | * 1.8 | * 3.3 |
| 08 | * 38 | | | * 7.0 | *10.5 | * 42 | | | * 6.0 | * 9.5 | * 36 | | | * 2.0 | * 3.5 | * 24 | | | * 1.5 | * 3.0 |
| 09 | * 37 | | | * 8.0 | *10.3 | * 36 | | | | | * 36 | | | * 3.5 | * 5.5 | * 25 | | | * 1.5 | * 3.0 |
| 10 | * 34 | | | | | * 35 | | | | | * 36 | | | | | * 24 | | | * 0.5 | * 2.0 |
| 11 | * 31 | | | | | * 27 | | | | | * 38 | | | * 2.3 | * 4.3 | * 24 | | | * 1.5 | * 2.8 |
| 12 | * 30 | | | * 8.5 | *10.0 | * 34 | | | * 9.0 | *11.0 | * 36 | | | * 3.3 | * 4.0 | * 24 | | | * 1.5 | * 2.5 |
| 13 | * 37 | | | | | * 38 | | | * 3.5 | * 7.0 | * 40 | | | * 3.5 | * 6.0 | * 25 | | | * 1.3 | * 2.5 |
| 14 | * 34 | | | | | * 38 | | | * 4.0 | * 6.5 | * 42 | | | * 3.0 | * 6.0 | * 26 | | | * 1.5 | * 2.8 |
| 15 | * 43 | | | * 5.5 | * 9.0 | * 45 | | | | | * 42 | | | | | * 24 | | | * 1.0 | * 2.5 |
| 16 | * 50 | | | * 4.5 | * 8.0 | * 55 | | | * 2.8 | * 5.5 | * 44 | | | * 3.5 | * 7.5 | * 25 | | | * 2.5 | * 3.5 |
| 17 | * 54 | | | * 4.0 | * 7.5 | * 63 | | | * 2.8 | * 5.8 | * 41 | | | * 4.3 | * 7.0 | * 25 | | | * 2.0 | * 3.0 |
| 18 | * 56 | | | * 3.0 | * 6.0 | * 63 | | | * 1.5 | * 3.0 | * 38 | | | * 3.5 | * 6.0 | * 26 | | | * 1.5 | * 3.0 |
| 19 | * 62 | | | * 3.0 | * 5.5 | * 60 | | | * 4.0 | * 7.0 | * 38 | | | * 3.5 | * 5.8 | * 26 | | | * 1.5 | * 2.8 |
| 20 | * 65 | | | * 3.5 | * 6.5 | * 60 | | | * 3.5 | * 6.5 | * 36 | | | * 2.5 | * 4.5 | * 25 | | | * 1.0 | * 2.0 |
| 21 | * 64 | | | * 2.8 | * 5.5 | * 60 | | | * 2.5 | * 4.5 | * 36 | | | * 1.3 | * 2.8 | * 26 | | | * 1.5 | * 3.0 |
| 22 | * 67 | | | * 3.8 | * 6.5 | * 61 | | | * 2.5 | * 5.0 | * 41 | | | * 2.0 | * 3.8 | * 26 | | | * 2.3 | * 4.8 |
| 23 | * 65 | | | * 3.0 | * 5.5 | * 60 | | | * 3.0 | * 5.5 | * 44 | | | * 2.0 | * 4.0 | * 28 | | | * 1.5 | * 3.5 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION ENKOPING, SWEDEN LAT. 59.5 N LONG. 17.3 E JUNE 1964

| HR. LST. | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 157 | 4.0 | 4.0 | 10.5 | 16.8 | 131 | 5.6 | 6.1 | 12.3 | 18.5 | 106 | 6.6 | 5.9 | 9.5 | 16.0 | 85 | 7.1 | 9.1 | 10.0 | 17.5 |
| 01 | 156 | 5.0 | 3.0 | 11.0 | 16.5 | 129 | 5.7 | 4.0 | 13.8 | 20.0 | 106 | 8.3 | 2.3 | 8.8 | 13.5 | 80 | 8.0 | 7.9 | 9.5 | 15.0 |
| 02 | 155 | 2.1 | 2.0 | 9.8 | 15.3 | 124 | 8.0 | 3.1 | 14.0 | 20.0 | 98 | 15.8 | 4.1 | * 9.5 | *15.0 | 65 | 19.6 | 7.0 | *12.5 | *19.5 |
| 03 | 155 | 2.0 | 2.0 | 10.5 | 16.5 | 123 | 5.7 | 4.1 | 13.3 | 20.0 | 88 | 20.0 | 9.3 | *12.8 | *18.8 | 54 | 26.0 | 4.0 | * 2.3 | * 4.0 |
| 04 | 153 | 3.6 | 2.0 | 11.0 | 16.5 | 123 | 7.9 | 8.2 | 14.0 | 21.3 | 84 | 21.6 | 11.9 | *13.5 | *18.0 | 56 | 22.8 | 4.0 | * 4.8 | * 7.5 |
| 05 | 153 | 4.0 | 2.1 | 12.0 | 18.5 | 119 | 9.6 | 6.1 | 15.0 | 22.0 | 82 | 21.4 | 8.0 | *11.5 | *17.0 | 56 | 20.5 | 6.0 | * 3.0 | * 5.0 |
| 06 | 153 | 2.0 | 3.7 | 13.3 | 19.8 | 120 | 9.9 | 8.6 | 14.8 | 22.8 | 80 | 26.3 | 6.0 | 6.5 | 11.0 | 56 | 22.2 | 5.9 | 2.8 | 5.8 |
| 07 | 153 | 3.6 | 4.0 | 13.3 | 20.0 | 120 | 9.3 | 7.2 | 15.0 | 22.3 | 82 | 19.4 | 8.0 | * 6.8 | *10.5 | 54 | 21.4 | 2.0 | * 5.0 | * 7.5 |
| 08 | 153 | 4.0 | 2.1 | 12.5 | 18.5 | 119 | 8.4 | 6.0 | 14.5 | 22.0 | 81 | 23.4 | 7.5 | 12.0 | 18.0 | 56 | 16.7 | 3.9 | * 8.3 | *11.5 |
| 09 | 155 | 2.0 | 4.0 | 12.3 | 18.0 | 121 | 7.4 | 4.7 | *13.8 | *21.0 | 80 | 17.5 | 3.5 | *12.0 | *16.5 | 56 | 12.0 | 2.3 | | |
| 10 | 155 | 2.0 | 2.0 | *11.3 | *17.0 | 123 | 4.9 | 2.0 | 12.5 | 19.5 | 85 | 17.9 | 7.0 | *12.0 | *19.0 | 56 | 19.7 | 3.6 | * 8.0 | *12.5 |
| 11 | 157 | 4.0 | 2.0 | 11.0 | 16.5 | 127 | 4.0 | 4.0 | 10.3 | 16.5 | 90 | 11.5 | 9.5 | 9.5 | 15.0 | 56 | 19.8 | 4.1 | * 6.3 | * 9.5 |
| 12 | 159 | 3.3 | 3.3 | 9.5 | 16.0 | 128 | 3.9 | 3.9 | 9.0 | 15.0 | 90 | 13.1 | 7.1 | 9.5 | 15.0 | 59 | 18.1 | 7.0 | 8.5 | 16.0 |
| 13 | 161 | 3.1 | 3.1 | 9.0 | 15.5 | 129 | 4.7 | 4.0 | 8.0 | 14.5 | 93 | 15.9 | 7.0 | * 8.8 | *14.0 | 62 | 23.3 | 8.0 | * 7.0 | *12.0 |
| 14 | 161 | 4.0 | 2.0 | 9.3 | 14.8 | 130 | 5.0 | 3.0 | 8.3 | 13.0 | 95 | 16.4 | 9.0 | 7.8 | 12.0 | 64 | 23.0 | 10.5 | * 7.0 | *12.5 |
| 15 | 161 | 4.0 | 2.0 | 9.0 | 15.0 | 129 | 8.1 | 2.0 | 8.0 | 14.0 | 96 | 16.3 | 10.1 | 8.0 | 13.8 | 64 | 23.9 | 11.9 | * 7.5 | *14.3 |
| 16 | 161 | 4.0 | 2.1 | 8.5 | 13.5 | 129 | 9.7 | 2.0 | 8.5 | 14.0 | 96 | 19.9 | 12.2 | 8.0 | 13.5 | 60 | 28.0 | 6.0 | * 6.8 | *12.5 |
| 17 | 161 | 4.0 | 4.0 | 9.0 | 14.5 | 129 | 8.1 | 4.1 | 9.0 | 14.8 | 94 | 20.1 | 9.7 | 7.0 | 12.5 | 65 | 21.6 | 9.2 | 4.5 | 10.5 |
| 18 | 159 | 5.6 | 3.6 | 9.3 | 14.8 | 127 | 9.7 | 2.0 | 9.5 | 16.0 | 95 | 17.2 | 11.1 | 9.0 | 15.0 | 62 | 22.2 | 7.7 | 5.0 | 11.0 |
| 19 | 159 | 4.0 | 4.0 | 9.5 | 15.0 | 129 | 7.7 | 6.0 | 11.0 | 18.0 | 94 | 19.9 | 10.1 | 9.3 | 15.5 | 63 | 21.5 | 7.5 | 5.8 | 9.8 |
| 20 | 157 | 4.1 | 3.7 | 9.5 | 14.5 | 125 | 10.0 | 5.7 | 10.5 | 17.0 | 96 | 16.1 | 8.1 | 8.5 | 14.0 | 68 | 14.5 | 7.9 | 5.3 | 9.3 |
| 21 | 157 | 2.1 | 4.0 | 9.0 | 14.0 | 127 | 7.5 | 6.1 | 9.8 | 15.8 | 102 | 8.4 | 7.9 | 7.5 | 12.5 | 76 | 10.5 | 9.9 | 6.3 | 11.8 |
| 22 | 157 | 3.6 | 3.6 | 9.5 | 14.5 | 131 | 5.7 | 6.1 | 11.0 | 17.5 | 106 | 6.4 | 4.1 | 7.8 | 13.3 | 82 | 11.6 | 9.9 | 7.0 | 12.0 |
| 23 | 158 | 2.7 | 6.6 | 11.0 | 16.0 | 131 | 5.7 | 6.1 | 11.5 | 16.8 | 108 | 9.0 | 6.0 | 8.0 | 13.5 | 84 | 13.3 | 11.4 | * 9.0 | *15.5 |

| HR. LST. | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 65 | 6.0 | 6.1 | 5.0 | 10.0 | 60 | 5.7 | 5.7 | 5.0 | 10.0 | 44 | 8.5 | 8.3 | 4.0 | 7.0 | 19 | 2.0 | 2.0 | 1.0 | 2.5 |
| 01 | 66 | 3.2 | 7.4 | * 5.0 | *10.5 | 58 | 5.7 | 5.7 | 5.3 | 9.0 | 42 | 6.3 | 8.3 | 3.0 | 5.0 | 19 | 1.7 | 2.0 | 1.0 | 2.5 |
| 02 | 62 | 5.2 | 5.1 | 6.8 | 11.5 | 57 | 4.9 | 5.0 | 4.5 | 8.0 | 40 | 6.1 | 5.9 | 3.0 | 5.0 | 19 | 2.0 | 2.0 | 1.0 | 2.5 |
| 03 | 53 | 8.3 | 8.3 | 7.0 | 11.5 | 54 | 4.0 | 5.6 | 5.5 | 9.0 | 38 | 8.0 | 4.0 | 3.5 | 5.5 | 19 | 0.1 | 2.0 | 1.0 | 2.5 |
| 04 | 43 | 9.3 | 7.3 | * 6.8 | *11.0 | 48 | 4.0 | 2.5 | 5.0 | 8.3 | 40 | 6.0 | 4.0 | * 4.5 | * 7.3 | 19 | 1.6 | 2.1 | 1.0 | 2.5 |
| 05 | 37 | 11.0 | 7.9 | * 7.3 | *11.5 | 42 | 12.0 | 6.0 | 6.8 | 11.0 | 39 | 3.5 | 3.5 | * 3.5 | * 5.8 | 19 | 1.6 | 2.0 | 1.5 | 3.0 |
| 06 | 37 | 12.2 | 7.9 | * 9.0 | *14.5 | 39 | 11.0 | 6.8 | 7.5 | 10.5 | 38 | 3.1 | 2.0 | * 5.5 | * 8.0 | 19 | 4.0 | 3.7 | 1.5 | 3.0 |
| 07 | * 40 | | | * 9.0 | *13.5 | 36 | 14.0 | 6.0 | * 5.3 | * 9.3 | * 36 | | | * 6.3 | * 8.8 | 19 | 2.3 | 4.0 | 2.0 | 3.5 |
| 08 | 37 | 9.8 | 8.0 | * 7.0 | *11.8 | 34 | 16.5 | 6.5 | *11.3 | *14.8 | 35 | 5.5 | 3.5 | 5.0 | 8.5 | 19 | 4.3 | 2.3 | 2.0 | 3.5 |
| 09 | 37 | 7.0 | 7.5 | * 4.0 | * 8.0 | 38 | 12.0 | 5.9 | * 7.5 | *11.0 | * 34 | | | * 5.0 | * 8.0 | 17 | 4.0 | 1.7 | 2.0 | 3.5 |
| 10 | * 35 | | | * 4.0 | * 7.5 | 36 | 15.2 | 8.0 | * 7.0 | *10.0 | 35 | 7.0 | 3.0 | * 5.0 | * 7.5 | 19 | 3.5 | 3.5 | 2.0 | 3.8 |
| 11 | * 33 | | | * 3.5 | * 6.8 | 36 | 14.0 | 8.6 | * 5.5 | * 9.0 | 36 | 11.6 | 4.0 | * 4.5 | * 7.5 | 19 | 6.1 | 2.1 | * 2.3 | * 4.3 |
| 12 | 31 | 17.1 | 2.0 | * 3.0 | * 5.0 | 34 | 15.4 | 6.0 | * 6.3 | * 9.8 | 36 | 6.2 | 4.0 | * 4.0 | * 7.5 | 19 | 4.9 | 2.0 | 2.0 | 4.0 |
| 13 | 33 | 12.6 | 4.0 | * 2.0 | * 4.5 | 36 | 8.0 | 7.3 | * 5.8 | * 9.3 | * 42 | | | * 1.5 | * 4.0 | 19 | 3.1 | 2.0 | 1.5 | 3.5 |
| 14 | 32 | 9.8 | 3.2 | * 5.3 | * 7.8 | 42 | 10.0 | 11.1 | * 4.5 | * 8.0 | 42 | 7.8 | 3.6 | * 5.0 | * 8.5 | 19 | 4.3 | 2.3 | 1.5 | 3.5 |
| 15 | 35 | 15.8 | 4.2 | * 3.3 | * 7.5 | 46 | 6.0 | 10.7 | 6.0 | 10.3 | 42 | 4.2 | 3.9 | 3.5 | 6.5 | 19 | 8.5 | 4.0 | 1.8 | 3.5 |
| 16 | 43 | 6.3 | 8.0 | * 7.3 | *12.3 | 48 | 6.5 | 10.0 | 5.0 | 9.0 | 44 | 4.7 | 2.0 | 3.0 | 6.5 | 21 | 8.0 | 4.0 | 1.8 | 3.8 |
| 17 | 40 | 11.1 | 8.7 | * 4.0 | * 9.5 | 46 | 12.0 | 8.0 | 5.0 | 11.0 | 44 | 6.3 | 2.3 | 3.8 | 6.3 | 21 | 6.0 | 2.0 | 2.5 | 4.0 |
| 18 | 43 | 14.6 | 6.3 | 3.5 | 6.5 | 48 | 12.0 | 3.9 | 4.5 | 9.0 | 46 | 4.2 | 2.0 | 4.0 | 7.0 | 21 | 4.7 | 2.7 | 3.0 | 4.5 |
| 19 | 49 | 9.4 | 10.7 | * 6.0 | * 9.5 | 52 | 10.0 | 4.0 | 4.3 | 8.0 | 50 | 2.0 | 4.0 | 5.5 | 8.5 | 21 | 6.0 | 2.0 | 2.5 | 4.0 |
| 20 | 53 | 10.0 | 9.1 | * 2.8 | * 6.5 | 58 | 6.5 | 6.0 | * 4.3 | * 7.5 | 46 | 4.0 | 2.0 | 4.5 | 8.0 | 21 | 4.2 | 2.0 | 2.5 | 4.0 |
| 21 | 61 | 4.9 | 6.9 | * 4.3 | * 8.5 | 60 | 6.0 | 4.0 | 5.0 | 9.0 | 48 | 2.0 | 5.7 | 4.3 | 8.0 | 19 | 4.1 | 2.0 | 1.3 | 2.8 |
| 22 | 67 | 4.0 | 8.3 | * 4.0 | * 8.0 | 62 | 3.9 | 5.9 | 5.5 | 9.8 | 46 | 4.0 | 4.5 | 5.0 | 8.0 | 19 | 4.0 | 2.0 | 1.5 | 3.3 |
| 23 | 67 | 4.1 | 8.0 | 5.3 | 10.0 | 60 | 4.1 | 4.1 | 6.0 | 10.0 | 44 | 6.1 | 6.0 | 3.0 | 5.5 | 19 | 2.0 | 2.0 | 1.0 | 2.5 |

* Fewer than 15 days data an power measurements and na computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data an voltage and lagarithmic measurements.

$F_{am}$ = median value af effective antenna naise in db abave ktb.

$D_u$ = ratia af upper decile ta median in db.

$D_\ell$ = ratia af median ta lawer decile in db.

$V_{dm}$ = median deviatian af average valtage in db belaw mean power.

$L_{dm}$ = median deviatian af average lagarithm in db belaw mean pawer.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION ENKOPING, SWEDEN LAT. 59.5 N LONG. 17.3 E JULY 1964

| HR. LST | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 153 | 6.5 | 2.0 | 10.0 | 15.0 | 126 | 8.5 | 6.0 | 10.5 | 16.0 | 107 | 5.5 | 7.5 | 8.5 | 13.5 | 79 | 14.0 | 7.0 | 9.0 | 14.0 |
| 01 | 155 | 4.0 | 4.0 | 11.0 | 16.5 | 126 | 8.5 | 6.5 | 12.5 | 18.3 | 107 | 5.1 | 5.0 | * 7.0 | *10.5 | 77 | 13.4 | 10.0 | * 5.8 | * 8.5 |
| 02 | 155 | 3.0 | 4.0 | 10.5 | 15.5 | 126 | 4.7 | 6.7 | 12.5 | 18.0 | *104 | | | * 7.5 | *11.0 | 69 | 10.3 | 11.9 | * 7.3 | *11.5 |
| 03 | 155 | 2.0 | 4.0 | 11.5 | 18.5 | 122 | 8.0 | 5.3 | 14.0 | 19.5 | * 94 | | | *11.8 | *15.8 | 57 | 15.5 | 6.0 | *10.0 | *14.0 |
| 04 | 153 | 4.0 | 3.1 | 12.0 | 18.5 | 122 | 5.3 | 9.3 | 15.5 | 22.5 | 83 | 21.3 | 10.7 | *12.8 | *17.3 | 59 | 14.8 | 6.0 | * 8.0 | *11.0 |
| 05 | 151 | 5.3 | 2.0 | 12.3 | 19.0 | 120 | 7.5 | 7.5 | 16.0 | 23.0 | 84 | 18.8 | 8.4 | *13.5 | *18.0 | * 55 | | | | |
| 06 | 151 | 5.3 | 2.0 | 13.5 | 20.0 | 118 | 8.4 | 5.9 | *16.5 | *23.5 | 80 | 19.5 | 5.5 | *10.3 | *14.5 | 55 | 10.9 | 2.0 | * 5.5 | * 8.5 |
| 07 | 151 | 4.0 | 2.0 | 12.5 | 19.0 | 120 | 4.0 | 8.0 | *15.5 | *22.5 | 80 | 12.3 | 6.0 | * 7.5 | *11.0 | 57 | 4.1 | 4.0 | * 4.5 | * 7.5 |
| 08 | 153 | 1.6 | 3.6 | *12.0 | *18.3 | *120 | | | *13.5 | *21.0 | * 80 | | | *10.5 | *13.0 | * 59 | | | * 5.0 | * 7.0 |
| 09 | 155 | 3.7 | 4.1 | *12.0 | *18.3 | 123 | 5.2 | 7.3 | 12.0 | 18.5 | 82 | 11.1 | 8.0 | *10.0 | *13.5 | * 59 | | | * 7.3 | * 9.5 |
| 10 | *157 | | | *11.5 | *18.0 | 126 | 4.4 | 8.4 | 11.0 | 17.5 | 92 | 6.8 | 16.0 | * 9.5 | *14.0 | * 59 | | | * 8.8 | *13.3 |
| 11 | 157 | 4.0 | 4.6 | *10.5 | *16.8 | 128 | 4.0 | 7.9 | * 9.0 | *14.8 | 88 | 14.3 | 8.3 | * 7.5 | *12.5 | * 57 | | | * 3.5 | * 5.0 |
| 12 | 159 | 4.0 | 6.1 | * 9.0 | *15.3 | 128 | 7.6 | 2.1 | 8.0 | 13.0 | 94 | 9.1 | 10.6 | * 7.0 | *12.5 | 61 | 14.6 | 6.1 | * 7.8 | *11.5 |
| 13 | 159 | 4.2 | 0.4 | * 9.3 | *15.0 | 130 | 4.1 | 2.1 | 7.0 | 11.5 | 98 | 8.4 | 12.3 | * 8.0 | *13.0 | 61 | 11.5 | 8.0 | 6.5 | 10.5 |
| 14 | 161 | 4.0 | 2.0 | 8.0 | 14.0 | 130 | 4.0 | 2.0 | 7.5 | 12.5 | 96 | 7.7 | 12.9 | 8.0 | 12.5 | 63 | 10.0 | 9.5 | * 5.0 | * 8.5 |
| 15 | 161 | 2.7 | 4.0 | 9.0 | 14.5 | 130 | 4.0 | 4.0 | 8.0 | 13.5 | 98 | 6.0 | 10.9 | 8.5 | 13.8 | 63 | 8.1 | 9.6 | * 9.0 | *10.0 |
| 16 | 159 | 4.0 | 2.0 | 9.0 | 15.0 | 130 | 3.1 | 5.1 | 8.0 | 14.0 | 96 | 7.5 | 10.0 | 7.5 | 12.5 | 61 | 9.3 | 5.3 | * 4.8 | * 8.0 |
| 17 | 159 | 4.0 | 2.7 | 9.5 | 15.0 | 130 | 2.0 | 4.7 | 8.5 | 15.0 | 98 | 6.0 | 11.1 | 9.5 | 15.0 | 63 | 10.0 | 6.0 | * 3.5 | * 6.0 |
| 18 | 158 | 3.0 | 3.9 | 9.8 | 15.3 | 128 | 2.7 | 4.0 | 10.0 | 16.0 | 96 | 9.7 | 13.3 | 8.5 | 13.5 | 61 | 10.4 | 4.0 | * 5.0 | * 7.0 |
| 19 | 157 | 4.0 | 4.9 | 9.5 | 15.0 | 128 | 2.0 | 6.0 | 10.0 | 16.5 | 94 | 7.1 | 13.1 | * 8.3 | *13.3 | 63 | 8.6 | 6.9 | * 3.5 | * 6.8 |
| 20 | 155 | 4.5 | 4.0 | 10.3 | 15.8 | 125 | 5.0 | 3.0 | 10.0 | 16.0 | 96 | 6.0 | 7.3 | 8.0 | 13.0 | 67 | 11.8 | 4.0 | 5.5 | 9.0 |
| 21 | 155 | 4.0 | 2.7 | 9.0 | 14.0 | 126 | 6.9 | 4.9 | 10.5 | 16.0 | 102 | 5.4 | 6.0 | 9.3 | 14.5 | 77 | 10.7 | 6.0 | 8.3 | 13.8 |
| 22 | 155 | 4.9 | 2.0 | 10.0 | 15.0 | 128 | 6.0 | 6.7 | 11.5 | 17.0 | 107 | 5.0 | 5.6 | 6.0 | 10.0 | 80 | 13.9 | 11.9 | 9.5 | 17.5 |
| 23 | 155 | 4.9 | 2.9 | 10.0 | 15.0 | 128 | 5.4 | 4.0 | 11.3 | 16.8 | 108 | 5.5 | 5.5 | * 6.3 | *10.3 | 83 | 10.0 | 11.1 | 10.8 | 16.3 |

| HR. LST | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 64 | 10.0 | 5.7 | * 7.3 | *12.0 | 57 | 4.9 | 4.0 | 5.0 | 8.8 | 42 | 6.3 | 4.3 | 2.5 | 4.5 | 20 | 0.8 | 2.0 | 1.0 | 3.0 |
| 01 | 62 | 9.5 | 5.5 | * 7.0 | *11.5 | 55 | 6.0 | 4.0 | 4.0 | 7.5 | 39 | 4.1 | 4.1 | 3.0 | 5.5 | 20 | | | 1.5 | 3.0 |
| 02 | 61 | 8.3 | 7.6 | * 6.5 | *11.5 | 55 | 4.0 | 4.7 | 5.0 | 8.3 | 39 | 7.1 | 7.1 | 3.3 | 6.3 | 20 | | | 1.5 | 3.5 |
| 03 | 54 | 10.0 | 9.0 | * 9.0 | *14.3 | 55 | 2.0 | 6.9 | 5.0 | 7.5 | 39 | 6.5 | 6.0 | 3.3 | 5.5 | 20 | | | 1.5 | 3.5 |
| 04 | 46 | 11.2 | 8.0 | *10.0 | *15.0 | 49 | 10.2 | 8.0 | 5.5 | 9.3 | 39 | 4.0 | 2.7 | * 3.5 | * 6.3 | 19 | 1.0 | 1.0 | 1.8 | 3.5 |
| 05 | 38 | 12.3 | 9.1 | *10.0 | *13.5 | 43 | 8.0 | 8.0 | 5.5 | 9.0 | 41 | 6.0 | 4.0 | * 3.0 | * 5.0 | 18 | 2.0 | 0.0 | 2.0 | 3.5 |
| 06 | 37 | 8.8 | 6.3 | | | 39 | 6.1 | 8.1 | * 7.8 | *13.0 | 42 | 7.6 | 3.0 | * 3.8 | * 6.8 | 18 | 4.0 | 0.0 | 2.0 | 4.0 |
| 07 | 35 | 6.7 | 8.2 | * 6.8 | *10.0 | 37 | 6.0 | 8.0 | * 5.5 | * 9.0 | * 41 | | | | | 18 | 5.1 | 0.0 | 2.0 | 4.0 |
| 08 | * 34 | | | * 4.5 | * 8.0 | *35 | 5.3 | 7.3 | * 8.5 | *11.5 | 39 | 7.2 | 4.0 | * 3.5 | * 5.8 | 18 | 6.0 | 0.0 | 1.0 | 3.0 |
| 09 | * 36 | | | * 3.3 | * 8.5 | 29 | 20.3 | 2.0 | * 9.0 | *11.0 | * 37 | | | * 4.0 | * 6.5 | 20 | 6.1 | 2.0 | * 1.0 | * 2.5 |
| 10 | * 35 | | | *11.0 | *14.0 | 31 | 14.3 | 4.1 | *11.3 | *17.0 | * 41 | | | * 3.5 | * 7.0 | 20 | 2.1 | 2.0 | 1.5 | 3.5 |
| 11 | * 34 | | | * 5.0 | * 7.5 | * 30 | | | 5.5 | 8.0 | 39 | 4.8 | 6.3 | * 4.5 | * 7.0 | 20 | 2.0 | 2.0 | 1.8 | 4.0 |
| 12 | * 36 | | | * 2.5 | * 5.0 | * 35 | | | *11.5 | *14.0 | 39 | 5.7 | 4.1 | * 5.3 | * 7.8 | 20 | 2.0 | 2.0 | 0.8 | 3.0 |
| 13 | * 34 | | | * 3.5 | * 7.5 | 37 | 5.7 | 7.7 | 6.0 | 10.5 | * 41 | | | * 6.5 | *10.3 | 20 | 4.0 | 2.0 | 1.5 | 3.5 |
| 14 | 36 | 4.4 | 6.5 | * 2.5 | * 5.0 | 39 | 4.2 | 9.6 | * 6.5 | *11.0 | 45 | 2.0 | 6.0 | * 6.5 | * 9.0 | 19 | 7.0 | 1.0 | 2.0 | 3.5 |
| 15 | * 35 | | | * 4.5 | * 6.0 | 43 | 6.9 | 10.0 | 5.0 | 9.5 | 45 | 5.4 | 4.0 | 3.5 | 6.0 | 20 | 8.0 | 2.0 | 2.0 | 4.0 |
| 16 | 43 | 3.0 | 9.2 | * 3.5 | * 6.5 | 46 | 4.6 | 10.8 | * 6.5 | *10.0 | 47 | 10.9 | 4.0 | 4.0 | 6.5 | 20 | 8.0 | 2.0 | 1.5 | 3.0 |
| 17 | * 43 | | | * 5.0 | * 9.0 | 47 | 10.7 | 6.7 | 4.5 | 8.0 | 47 | 13.9 | 3.5 | 3.0 | 6.0 | 22 | 6.0 | 2.0 | 1.5 | 3.8 |
| 18 | 46 | 8.0 | 6.6 | * 2.5 | * 6.5 | 51 | 11.0 | 5.5 | * 5.5 | * 8.0 | 49 | 11.4 | 4.0 | * 3.3 | * 6.0 | 20 | 6.0 | 0.0 | 1.5 | 3.3 |
| 19 | 48 | 11.4 | 6.1 | * 3.0 | * 5.5 | 55 | 3.7 | 7.7 | 4.5 | 8.0 | 50 | 3.0 | 3.0 | * 5.0 | * 8.0 | 22 | 4.0 | 2.0 | 1.5 | 3.0 |
| 20 | 54 | 8.6 | 7.3 | * 3.8 | * 6.8 | 57 | 6.7 | 6.0 | 4.0 | 7.5 | 49 | 5.3 | 3.3 | 3.0 | 6.5 | 22 | 2.0 | 2.0 | 2.5 | 4.5 |
| 21 | 60 | 10.2 | 6.1 | * 4.0 | * 8.0 | 59 | 6.0 | 4.0 | * 4.5 | * 7.8 | 49 | 5.3 | 5.7 | * 4.0 | * 6.5 | 20 | 4.0 | 0.0 | 1.3 | 3.0 |
| 22 | 63 | 10.3 | 6.3 | * 4.3 | * 8.8 | 59 | 4.9 | 4.0 | 4.5 | 8.5 | 45 | 23.1 | 4.0 | 4.0 | 6.0 | 20 | | | 1.5 | 3.0 |
| 23 | 66 | 7.5 | 7.5 | * 5.5 | *10.0 | 59 | 4.0 | 5.1 | 6.0 | 10.0 | 45 | 8.0 | 6.0 | 3.0 | 5.5 | 20 | | | 1.3 | 3.0 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logorithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logorithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION ENKOPING, SWEDEN LAT. 59.5 N LONG. 17.3 E AUGUST 1964

| HR. LST. | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | *153 | | | * 9.5 | *15.0 | 129 | 4.6 | 12.0 | *10.8 | *16.8 | *108 | | | * 7.3 | *12.0 | 84 | 12.0 | 10.3 | * 8.3 | *13.0 |
| 01 | *155 | | | 10.5 | 15.5 | *127 | | | *12.0 | *18.5 | *110 | | | * 6.0 | *11.0 | 84 | 10.6 | 10.3 | * 7.8 | *13.0 |
| 02 | *153 | | | 10.0 | 16.0 | *128 | | | *11.3 | *17.8 | *106 | | | * 7.5 | *13.0 | 82 | 5.1 | 12.3 | 6.5 | 11.0 |
| 03 | *153 | | | 10.0 | 16.0 | 125 | 6.6 | 8.0 | *10.5 | *16.3 | *102 | | | * 7.0 | *12.0 | * 68 | | | * 8.0 | *11.0 |
| 04 | *153 | | | *10.5 | *16.5 | *121 | | | *10.5 | *16.0 | * 84 | | | * 4.5 | * 8.0 | * 56 | | | * 3.3 | * 5.5 |
| 05 | *151 | | | 10.5 | 16.5 | *119 | | | 10.5 | 17.5 | * 87 | | | * 3.5 | * 7.5 | * 56 | | | * 3.5 | * 5.5 |
| 06 | *151 | | | *11.0 | *17.3 | *118 | | | *12.5 | *19.0 | * 84 | | | * 4.3 | * 8.8 | * 56 | | | * 2.5 | * 3.5 |
| 07 | *151 | | | *11.3 | *16.8 | *119 | | | *13.0 | *19.3 | * 82 | | | * 7.0 | *11.5 | * 56 | | | * 3.0 | * 5.3 |
| 08 | *153 | | | *10.0 | *16.3 | *119 | | | *10.0 | *16.5 | * 83 | | | * 6.0 | * 9.5 | * 54 | | | * 2.5 | * 4.5 |
| 09 | *154 | | | * 9.5 | *16.5 | *123 | | | * 7.0 | *13.5 | * 88 | | | * 8.0 | *13.0 | * 61 | | | * 3.3 | * 5.0 |
| 10 | *153 | | | *10.0 | *15.8 | *125 | | | * 9.5 | *15.0 | * 88 | | | * 7.3 | *12.3 | * 55 | | | * 3.0 | * 5.5 |
| 11 | *156 | | | *10.0 | *16.5 | *127 | | | * 9.8 | *16.0 | * 92 | | | * 7.3 | *11.3 | * 56 | | | * 4.5 | * 6.5 |
| 12 | *157 | | | *10.0 | *15.8 | *127 | | | * 9.0 | *15.0 | * 92 | | | * 7.3 | *10.8 | * 57 | | | * 4.0 | * 7.5 |
| 13 | *157 | | | * 9.0 | *15.0 | *129 | | | * 8.5 | *13.8 | * 94 | | | * 7.0 | *12.5 | * 62 | | | * 2.8 | * 5.5 |
| 14 | *158 | | | * 9.3 | *14.5 | *129 | | | 8.0 | 14.0 | * 98 | | | * 8.0 | *13.0 | * 64 | | | * 5.8 | * 8.8 |
| 15 | *157 | | | * 9.5 | *15.0 | *128 | | | 9.0 | 15.0 | * 98 | | | * 7.5 | *12.5 | * 64 | | | * 4.3 | * 7.0 |
| 16 | *157 | | | 9.0 | 15.0 | *127 | | | 9.0 | 15.0 | * 97 | | | 6.5 | 13.0 | * 64 | | | * 4.0 | * 7.8 |
| 17 | *155 | | | * 9.5 | *15.0 | 127 | 4.6 | 6.3 | 9.0 | 15.5 | 96 | 10.6 | 10.8 | * 7.0 | *11.5 | * 65 | | | * 3.8 | * 6.3 |
| 18 | *155 | | | * 9.5 | *14.3 | 127 | 2.8 | 8.6 | 10.5 | 17.0 | 96 | 9.1 | 10.8 | * 7.5 | *12.5 | 64 | 18.6 | 4.6 | * 4.0 | * 7.0 |
| 19 | *155 | | | * 9.3 | *15.3 | *123 | | | *10.5 | *16.8 | * 96 | | | * 7.8 | *14.0 | * 68 | | | * 6.5 | * 9.5 |
| 20 | *155 | | | * 8.5 | *13.5 | 127 | 4.8 | 6.6 | * 8.5 | *13.5 | 102 | 8.8 | 6.8 | * 7.5 | *13.0 | * 78 | | | * 8.0 | *12.5 |
| 21 | *155 | | | 9.0 | 15.0 | 129 | 3.1 | 7.1 | *10.5 | *16.3 | *108 | | | * 7.5 | *12.0 | * 85 | | | * 8.0 | *12.3 |
| 22 | 155 | 2.6 | 4.6 | 9.5 | 15.0 | *129 | | | * 9.8 | *15.0 | 108 | 4.8 | 6.3 | * 8.0 | *12.0 | 82 | 14.6 | 6.3 | * 5.5 | * 9.5 |
| 23 | *153 | | | 10.0 | 15.0 | *130 | | | *10.0 | *16.0 | 108 | 4.8 | 2.6 | * 6.0 | *10.5 | * 86 | | | * 6.0 | *10.5 |

| HR. LST. | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 62 | | | * 5.5 | *10.5 | 56 | 2.1 | 4.1 | * 5.0 | * 8.0 | 37 | 4.6 | 4.0 | * 3.5 | * 5.5 | 19 | 2.0 | 0.0 | 2.3 | 3.8 |
| 01 | * 61 | | | * 7.3 | *11.5 | 54 | 3.9 | 4.0 | * 6.3 | * 9.3 | 35 | 26.6 | 4.0 | 4.5 | 6.0 | 19 | 1.6 | 0.0 | 2.0 | 3.0 |
| 02 | 59 | 5.3 | 7.7 | * 8.0 | *12.0 | 54 | 4.1 | 4.2 | * 7.0 | *10.5 | 33 | 23.4 | 2.1 | 3.0 | 5.0 | 19 | 0.1 | 0.0 | 1.8 | 3.0 |
| 03 | 57 | 7.6 | 9.7 | * 7.0 | * 9.5 | * 52 | | | * 4.8 | * 7.8 | * 33 | | | * 3.3 | * 4.8 | 19 | 0.1 | 0.0 | 2.5 | 3.5 |
| 04 | 51 | 8.3 | 6.6 | * 9.0 | *14.0 | * 50 | | | * 6.0 | * 8.8 | * 35 | | | * 3.8 | * 5.5 | 19 | | | * 2.5 | * 4.0 |
| 05 | * 38 | | | * 9.3 | *13.8 | 42 | 12.3 | 4.0 | * 6.8 | * 9.8 | * 37 | | | * 3.5 | * 5.5 | 19 | 0.1 | 2.0 | 2.5 | 4.0 |
| 06 | * 31 | | | | | * 36 | | | * 9.0 | *12.8 | * 43 | | | * 6.8 | * 9.0 | 19 | 0.2 | 2.0 | * 2.8 | * 4.0 |
| 07 | * 33 | | | * 6.3 | * 9.8 | * 34 | | | * 7.5 | *10.0 | * 44 | | | * 4.8 | * 7.8 | 19 | 1.9 | 2.0 | * 2.5 | * 3.8 |
| 08 | * 35 | | | * 7.8 | *13.0 | * 30 | | | * 9.3 | *12.0 | * 39 | | | * 6.3 | * 9.3 | * 19 | | | * 2.5 | * 4.0 |
| 09 | * 31 | | | * 6.5 | *10.0 | * 32 | | | * 5.0 | * 7.5 | * 37 | | | * 5.8 | * 7.8 | * 19 | | | * 3.0 | * 5.0 |
| 10 | * 31 | | | * 6.0 | * 8.5 | * 32 | | | * 7.0 | * 9.3 | * 40 | | | * 5.0 | * 7.3 | * 19 | | | * 2.8 | * 4.5 |
| 11 | * 34 | | | * 7.8 | *10.8 | * 36 | | | * 8.0 | *13.0 | * 40 | | | * 5.8 | * 8.5 | * 19 | | | * 2.5 | * 3.8 |
| 12 | * 33 | | | * 6.0 | * 8.5 | * 36 | | | * 8.0 | *12.0 | * 41 | | | * 5.0 | * 8.0 | * 19 | | | * 2.3 | * 3.5 |
| 13 | * 31 | | | * 4.0 | * 6.5 | * 37 | | | * 6.5 | *11.5 | * 48 | | | * 9.5 | *14.5 | 19 | 3.9 | 0.2 | 2.0 | 3.0 |
| 14 | * 37 | | | * 7.5 | *10.8 | * 42 | | | *10.0 | *15.0 | * 43 | | | * 6.8 | * 9.8 | 19 | 2.1 | 0.0 | 2.3 | 3.3 |
| 15 | * 39 | | | * 9.0 | *12.0 | * 44 | | | * 8.5 | *14.0 | * 43 | | | * 5.0 | * 8.0 | 19 | 3.9 | 0.0 | * 1.5 | * 3.0 |
| 16 | * 37 | | | * 3.5 | * 6.0 | * 44 | | | * 8.3 | *13.3 | * 47 | | | * 4.5 | * 7.5 | 19 | 2.1 | 0.0 | 2.5 | 3.5 |
| 17 | * 41 | | | * 8.8 | *13.3 | 49 | 7.1 | 4.9 | * 5.8 | *10.0 | * 49 | | | * 3.5 | * 6.5 | 19 | 2.6 | 0.0 | * 2.0 | * 3.5 |
| 18 | * 48 | | | *11.0 | *16.0 | * 52 | | | * 7.5 | *12.0 | * 49 | | | * 4.8 | * 7.0 | 21 | 4.0 | 2.0 | 3.0 | 4.5 |
| 19 | * 51 | | | * 6.5 | *12.0 | 56 | 4.5 | 4.4 | * 6.0 | *10.5 | * 51 | | | * 5.5 | * 8.5 | 21 | 4.2 | 0.2 | * 3.3 | * 4.8 |
| 20 | * 58 | | | * 6.5 | *11.5 | 58 | 5.1 | 4.3 | * 5.5 | * 9.5 | 49 | 6.0 | 6.0 | * 4.5 | * 7.0 | 21 | 2.0 | 2.0 | 3.0 | 4.5 |
| 21 | 61 | 9.9 | 4.3 | * 7.5 | *11.0 | 59 | 8.9 | 3.4 | * 4.3 | * 7.5 | * 48 | | | * 4.3 | * 6.5 | 19 | 2.1 | 0.0 | 2.0 | 3.8 |
| 22 | 61 | 10.1 | 6.4 | * 6.0 | *11.5 | 58 | 7.4 | 3.9 | * 6.0 | * 9.5 | 41 | 12.3 | 4.0 | * 4.0 | * 5.5 | 19 | 1.9 | 0.0 | 2.0 | 4.0 |
| 23 | 61 | 8.3 | 6.0 | * 5.8 | *10.8 | 56 | 7.4 | 5.5 | * 6.0 | * 9.5 | 41 | 6.3 | 5.9 | * 4.0 | * 6.0 | 19 | 1.7 | 0.0 | * 2.5 | * 4.0 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logorithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logorithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION FRONT ROYAL, VA. LAT. 38.8 N LONG. 78.2 W JUNE 1964

| HR. LST | FREQUENCY (Mc) .135 | | | | | .5 | | | | | 2.5 | | | | | 5 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 116 | 6.1 | 8.0 | | | 92 | 7.9 | 7.0 | | | 75 | 7.3 | 7.3 | | | 66 | 4.3 | 5.0 | | |
| 01 | 115 | 5.7 | 8.7 | | | 93 | 7.6 | 7.0 | | | 76 | 5.6 | 9.3 | | | 65 | 4.0 | 6.3 | | |
| 02 | 115 | 6.9 | 9.2 | | | 93 | 6.0 | 8.6 | | | 75 | 7.3 | 8.0 | | | 63 | 5.6 | 5.0 | | |
| 03 | 113 | 6.6 | 6.6 | | | 91 | 5.8 | 7.5 | | | 74 | 7.0 | 6.6 | | | 63 | 4.7 | 5.7 | | |
| 04 | 108 | 9.0 | 8.4 | | | 81 | 4.6 | 9.6 | | | 70 | 7.6 | 5.6 | | | 63 | 4.7 | 4.0 | | |
| 05 | 98 | 16.7 | 8.0 | | | 61 | 11.6 | 6.0 | | | 54 | 8.6 | 6.0 | | | 57 | 7.2 | 5.5 | | |
| 06 | 96 | 12.8 | 9.6 | | | 60 | 9.0 | 5.7 | | | 47 | 6.7 | 5.0 | | | 53 | 6.3 | 8.3 | | |
| 07 | 96 | 13.1 | 8.1 | | | 60 | 9.7 | 5.7 | | | 43 | 11.9 | 4.0 | | | 47 | 8.1 | 5.5 | | |
| 08 | 99 | 9.9 | 9.7 | | | 59 | 11.6 | 4.6 | | | 37 | 14.8 | 2.5 | | | 44 | 8.5 | 5.5 | | |
| 09 | 99 | 7.9 | 9.9 | | | 58 | 11.1 | 3.5 | | | 35 | 8.3 | 3.0 | | | 40 | 6.6 | 3.6 | | |
| 10 | 99 | 11.0 | 8.9 | | | 60 | 8.6 | 4.6 | | | 35 | 8.0 | 3.6 | | | 40 | 6.9 | 7.0 | | |
| 11 | 98 | 17.9 | 8.1 | | | 61 | 8.6 | 5.0 | | | 33 | 8.6 | 3.0 | | | 39 | 10.2 | 6.6 | | |
| 12 | 104 | 12.1 | 13.6 | | | 63 | 22.0 | 4.6 | | | 36 | 22.3 | 3.0 | | | 36 | 13.5 | 6.1 | | |
| 13 | 108 | 12.9 | 16.4 | | | 71 | 26.8 | 14.1 | | | 39 | 28.1 | 6.1 | | | 40 | 19.2 | 8.0 | | |
| 14 | 109 | 18.2 | 14.9 | | | 76 | 28.3 | 17.0 | | | 43 | 27.3 | 8.9 | | | 44 | 13.6 | 11.0 | | |
| 15 | 111 | 16.2 | 15.1 | | | 73 | 32.3 | 13.6 | | | 42 | 31.5 | 8.5 | | | 48 | 13.1 | 13.1 | | |
| 16 | 108 | 19.6 | 12.8 | | | 69 | 34.6 | 9.6 | | | 43 | 33.0 | 8.0 | | | 51 | 12.5 | 12.1 | | |
| 17 | 108 | 17.9 | 12.7 | | | 70 | 34.5 | 10.6 | | | 48 | 27.6 | 10.0 | | | 54 | 12.3 | 10.0 | | |
| 18 | 106 | 17.9 | 11.9 | | | 68 | 31.0 | 9.8 | | | 54 | 22.3 | 8.6 | | | 58 | 10.1 | 7.1 | | |
| 19 | 106 | 15.5 | 10.1 | | | 70 | 28.9 | 10.5 | | | 66 | 15.0 | 7.0 | | | 64 | 6.9 | 6.0 | | |
| 20 | 109 | 14.2 | 7.9 | | | 83 | 21.8 | 9.6 | | | 71 | 8.6 | 6.0 | | | 67 | 7.1 | 4.5 | | |
| 21 | 114 | 9.1 | 7.5 | | | 89 | 14.1 | 8.1 | | | 73 | 7.1 | 6.8 | | | 69 | 6.3 | 5.0 | | |
| 22 | 117 | 7.0 | 6.1 | | | 91 | 9.6 | 6.0 | | | 75 | 5.6 | 6.9 | | | 68 | 5.9 | 4.6 | | |
| 23 | 117 | 6.1 | 7.7 | | | 91 | 9.6 | 5.9 | | | 75 | 4.6 | 7.8 | | | 67 | 4.0 | 4.6 | | |

| HR. LST | FREQUENCY (Mc) 10 | | | | | 20 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 45 | 6.0 | 3.0 | | | 26 | 1.1 | 2.0 | | | | | | | | | | | | |
| 01 | 43 | 6.6 | 2.6 | | | 26 | 1.1 | 2.0 | | | | | | | | | | | | |
| 02 | 42 | 8.0 | 2.0 | | | 26 | 1.0 | 2.0 | | | | | | | | | | | | |
| 03 | 42 | 7.0 | 2.0 | | | 25 | 2.0 | 1.0 | | | | | | | | | | | | |
| 04 | 42 | 6.0 | 2.6 | | | 25 | 2.0 | 1.0 | | | | | | | | | | | | |
| 05 | 42 | 7.3 | 2.0 | | | 25 | 2.1 | 1.0 | | | | | | | | | | | | |
| 06 | 45 | 5.6 | 3.6 | | | 25 | 1.2 | 1.1 | | | | | | | | | | | | |
| 07 | 44 | 4.0 | 3.0 | | | 25 | 3.1 | 1.0 | | | | | | | | | | | | |
| 08 | 42 | 3.6 | 3.0 | | | 27 | 3.9 | 2.0 | | | | | | | | | | | | |
| 09 | 40 | 4.0 | 3.0 | | | 26 | 3.5 | 2.3 | | | | | | | | | | | | |
| 10 | 39 | 4.6 | 2.0 | | | 27 | 4.0 | 2.0 | | | | | | | | | | | | |
| 11 | 39 | 5.0 | 2.0 | | | 26 | 6.0 | 2.0 | | | | | | | | | | | | |
| 12 | 39 | 5.0 | 3.0 | | | 27 | 5.1 | 2.0 | | | | | | | | | | | | |
| 13 | 40 | 7.6 | 3.0 | | | 28 | 6.1 | 2.8 | | | | | | | | | | | | |
| 14 | 44 | 7.3 | 5.6 | | | 28 | 8.8 | 2.9 | | | | | | | | | | | | |
| 15 | 46 | 4.6 | 5.6 | | | 29 | 6.1 | 3.1 | | | | | | | | | | | | |
| 16 | 48 | 4.9 | 5.6 | | | 31 | 5.2 | 4.0 | | | | | | | | | | | | |
| 17 | 50 | 8.6 | 4.0 | | | 31 | 6.0 | 3.1 | | | | | | | | | | | | |
| 18 | 51 | 7.3 | 2.0 | | | 32 | 5.8 | 4.0 | | | | | | | | | | | | |
| 19 | 53 | 6.0 | 2.6 | | | 32 | 5.6 | 4.0 | | | | | | | | | | | | |
| 20 | 54 | 6.0 | 3.0 | | | 28 | 2.8 | 3.8 | | | | | | | | | | | | |
| 21 | 53 | 5.0 | 3.6 | | | 26 | 2.6 | 2.3 | | | | | | | | | | | | |
| 22 | 50 | 5.4 | 4.1 | | | 26 | 2.0 | 2.0 | | | | | | | | | | | | |
| 23 | 47 | 6.1 | 4.1 | | | 26 | 1.0 | 2.0 | | | | | | | | | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION FRONT ROYAL, VA. LAT. 38.8 N LONG. 78.2 W JULY 1964

| HR. LST | FREQUENCY (Mc) .135 | | | | | .5 | | | | | 2.5 | | | | | 5 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 117 | 4.5 | 4.5 | | | 93 | 5.0 | 5.0 | | | 75 | 5.5 | 5.0 | | | 66 | 2.0 | 5.1 | | |
| 01 | 116 | 6.0 | 4.5 | | | 93 | 5.5 | 5.0 | | | 75 | 6.0 | 5.0 | | | 64 | 3.0 | 4.0 | | |
| 02 | 116 | 5.1 | 3.5 | | | 92 | 5.5 | 3.5 | | | 74 | 7.0 | 4.5 | | | 63 | 3.6 | 5.0 | | |
| 03 | 116 | 2.5 | 3.5 | | | 93 | 3.0 | 5.0 | | | 75 | 5.0 | 5.5 | | | 62 | 3.0 | 4.0 | | |
| 04 | 113 | 6.1 | 7.9 | | | 89 | 4.5 | 4.5 | | | 75 | 4.5 | 6.0 | | | 62 | 4.0 | 3.9 | | |
| 05 | 105 | 8.1 | 7.5 | | | 66 | 6.0 | 4.5 | | | 61 | 7.0 | 7.5 | | | 60 | 2.5 | 3.0 | | |
| 06 | 100 | 13.1 | 6.5 | | | 63 | 7.1 | 3.5 | | | 52 | 8.2 | 6.5 | | | 55 | 4.5 | 6.1 | | |
| 07 | 100 | 13.1 | 6.0 | | | 61 | 7.1 | 2.0 | | | 46 | 6.1 | 4.0 | | | 51 | 3.5 | 5.5 | | |
| 08 | 100 | 12.5 | 7.5 | | | 63 | 7.0 | 4.0 | | | 40 | 4.6 | 4.0 | | | 46 | 4.5 | 6.0 | | |
| 09 | 97 | 12.7 | 4.8 | | | 63 | 7.1 | 4.0 | | | 37 | 7.5 | 3.0 | | | 42 | 5.6 | 4.5 | | |
| 10 | 100 | 8.8 | 8.5 | | | 64 | 5.5 | 4.5 | | | 35 | 6.0 | 2.0 | | | 40 | 5.5 | 5.0 | | |
| 11 | 102 | 7.8 | 7.8 | | | 66 | 7.5 | 6.5 | | | 35 | 6.5 | 3.0 | | | 41 | 6.6 | 6.6 | | |
| 12 | 108 | 7.3 | 9.6 | | | 74 | 19.5 | 9.5 | | | 47 | 10.0 | 8.0 | | | 44 | 8.0 | 7.6 | | |
| 13 | 112 | 7.6 | 11.0 | | | 80 | 16.1 | 14.0 | | | 51 | 13.5 | 11.0 | | | 48 | 9.0 | 11.0 | | |
| 14 | 112 | 9.9 | 9.3 | | | 86 | 13.6 | 20.1 | | | 51 | 19.1 | 10.5 | | | 50 | 11.5 | 9.0 | | |
| 15 | 111 | 9.3 | 6.3 | | | 88 | 13.5 | 20.1 | | | 56 | 15.5 | 12.5 | | | 53 | 9.5 | 9.2 | | |
| 16 | 111 | 9.0 | 12.8 | | | 88 | 14.5 | 22.1 | | | 57 | 14.5 | 14.5 | | | 55 | 6.5 | 9.0 | | |
| 17 | 112 | 7.8 | 15.2 | | | 87 | 11.7 | 20.5 | | | 61 | 11.2 | 14.5 | | | 58 | 8.0 | 8.0 | | |
| 18 | 111 | 7.0 | 13.8 | | | 81 | 16.5 | 14.5 | | | 62 | 12.1 | 9.1 | | | 62 | 5.0 | 9.0 | | |
| 19 | 110 | 6.5 | 12.8 | | | 78 | 17.9 | 11.5 | | | 69 | 10.1 | 10.1 | | | 65 | 5.1 | 7.0 | | |
| 20 | 113 | 7.0 | 10.6 | | | 88 | 9.7 | 11.5 | | | 76 | 5.1 | 10.5 | | | 69 | 5.0 | 5.1 | | |
| 21 | 116 | 5.8 | 6.5 | | | 91 | 8.5 | 7.6 | | | 76 | 6.5 | 7.1 | | | 69 | 5.0 | 4.5 | | |
| 22 | 117 | 4.6 | 5.0 | | | 93 | 4.5 | 7.2 | | | 77 | 5.1 | 7.5 | | | 68 | 3.5 | 4.5 | | |
| 23 | 117 | 5.3 | 4.0 | | | 93 | 5.0 | 6.0 | | | 76 | 6.1 | 6.5 | | | 66 | 4.0 | 3.5 | | |

| HR. LST | FREQUENCY (Mc) 10 | | | | | 20 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 43 | 3.0 | 2.5 | | | 27 | | | | | | | | | | | | | | |
| 01 | 42 | 5.0 | 3.0 | | | 26 | 1.0 | 1.0 | | | | | | | | | | | | |
| 02 | 41 | 5.0 | 2.0 | | | 27 | 1.0 | 2.5 | | | | | | | | | | | | |
| 03 | 40 | 4.5 | 2.0 | | | 26 | 1.0 | 2.0 | | | | | | | | | | | | |
| 04 | 40 | 5.1 | 1.0 | | | 26 | 1.0 | 2.0 | | | | | | | | | | | | |
| 05 | 41 | 3.0 | 2.0 | | | 26 | | | | | | | | | | | | | | |
| 06 | 44 | 2.8 | 3.1 | | | 25 | 1.0 | 2.0 | | | | | | | | | | | | |
| 07 | 45 | 3.0 | 2.0 | | | 25 | 1.0 | 2.0 | | | | | | | | | | | | |
| 08 | 44 | 4.0 | 3.0 | | | 27 | 1.5 | 2.0 | | | | | | | | | | | | |
| 09 | 44 | 3.0 | 4.0 | | | 27 | 3.0 | 2.0 | | | | | | | | | | | | |
| 10 | 42 | 4.0 | 3.0 | | | 27 | 3.0 | 1.6 | | | | | | | | | | | | |
| 11 | 42 | 5.0 | 3.0 | | | 27 | 3.3 | 2.0 | | | | | | | | | | | | |
| 12 | 41 | 5.5 | 3.1 | | | 28 | 3.0 | 2.0 | | | | | | | | | | | | |
| 13 | 43 | 4.0 | 4.5 | | | 29 | 4.1 | 2.0 | | | | | | | | | | | | |
| 14 | 44 | 4.0 | 4.0 | | | 29 | 5.1 | 2.0 | | | | | | | | | | | | |
| 15 | 47 | 3.0 | 5.5 | | | 30 | 3.5 | 2.5 | | | | | | | | | | | | |
| 16 | 49 | 3.5 | 4.5 | | | 29 | 4.0 | 2.0 | | | | | | | | | | | | |
| 17 | 51 | 4.5 | 5.0 | | | 30 | 4.0 | 3.0 | | | | | | | | | | | | |
| 18 | 53 | 5.1 | 4.0 | | | 30 | 4.5 | 2.0 | | | | | | | | | | | | |
| 19 | 54 | 6.1 | 4.0 | | | 30 | 4.0 | 2.5 | | | | | | | | | | | | |
| 20 | 54 | 6.5 | 5.0 | | | 28 | 2.5 | 2.0 | | | | | | | | | | | | |
| 21 | 50 | 6.0 | 2.0 | | | 27 | 2.0 | 2.0 | | | | | | | | | | | | |
| 22 | 47 | 4.5 | 3.0 | | | 27 | 0.5 | 2.5 | | | | | | | | | | | | |
| 23 | 44 | 4.0 | 3.1 | | | 26 | 1.0 | 1.5 | | | | | | | | | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION FRONT ROYAL, VA. LAT. 38.8 N LONG. 78.2 W AUGUST 1964

| HR. LST. | FREQUENCY (Mc) .135 | | | | | .5 | | | | | 2.5 | | | | | 5 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | | | | | | 96 | 6.5 | 5.1 | | | 73 | 6.0 | 7.0 | | | 65 | 4.0 | 5.0 | | |
| 01 | | | | | | 96 | 7.6 | 6.0 | | | 73 | 5.5 | 8.1 | | | 64 | 4.0 | 4.5 | | |
| 02 | | | | | | 96 | 7.6 | 6.5 | | | 73 | 6.1 | 8.1 | | | 63 | 4.5 | 3.5 | | |
| 03 | | | | | | 95 | 6.1 | 6.5 | | | 73 | 4.5 | 8.0 | | | 63 | 4.0 | 5.0 | | |
| 04 | | | | | | 95 | 5.5 | 5.5 | | | 76 | 4.5 | 8.0 | | | 66 | 3.5 | 4.0 | | |
| 05 | | | | | | 78 | 11.5 | 8.0 | | | 67 | 7.5 | 5.0 | | | 66 | 2.0 | 5.0 | | |
| 06 | | | | | | 63 | 7.1 | 5.1 | | | 54 | 5.5 | 5.0 | | | 59 | 6.5 | 5.5 | | |
| 07 | | | | | | 63 | 4.5 | 6.0 | | | 48 | 4.5 | 3.0 | | | 54 | 6.0 | 5.6 | | |
| 08 | | | | | | 63 | 6.1 | 5.0 | | | 37 | 3.5 | 3.0 | | | 45 | 4.0 | 4.7 | | |
| 09 | | | | | | 63 | 9.2 | 5.0 | | | 35 | 4.1 | 4.0 | | | 41 | 6.5 | 3.7 | | |
| 10 | | | | | | 64 | 12.0 | 6.0 | | | 35 | 4.6 | 5.0 | | | 38 | 7.6 | 3.0 | | |
| 11 | | | | | | 65 | 21.2 | 8.0 | | | 35 | 15.1 | 6.0 | | | 39 | 12.5 | 6.0 | | |
| 12 | | | | | | 66 | 30.6 | 8.0 | | | 39 | 24.0 | 6.5 | | | 43 | 17.5 | 8.0 | | |
| 13 | | | | | | 67 | 37.9 | 8.1 | | | 40 | 33.5 | 7.5 | | | 44 | 23.3 | 7.0 | | |
| 14 | | | | | | 70 | 32.8 | 9.5 | | | 41 | 28.2 | 8.0 | | | 46 | 15.5 | 7.1 | | |
| 15 | | | | | | 71 | 32.5 | 10.5 | | | 43 | 26.2 | 10.0 | | | 51 | 12.7 | 9.6 | | |
| 16 | | | | | | 70 | 32.1 | 14.0 | | | 49 | 23.2 | 8.0 | | | 53 | 11.1 | 11.1 | | |
| 17 | | | | | | 68 | 30.7 | 11.5 | | | 55 | 19.5 | 11.1 | | | 58 | 11.0 | 10.5 | | |
| 18 | | | | | | 69 | 28.1 | 8.5 | | | 63 | 14.1 | 12.0 | | | 62 | 6.6 | 7.0 | | |
| 19 | | | | | | 82 | 16.5 | 6.5 | | | 70 | 11.8 | 7.0 | | | 66 | 6.0 | 5.5 | | |
| 20 | | | | | | 94 | 9.1 | 8.0 | | | 73 | 9.6 | 6.5 | | | 69 | 3.5 | 5.0 | | |
| 21 | | | | | | 95 | 7.6 | 6.5 | | | 74 | 9.6 | 6.0 | | | 67 | 5.0 | 3.5 | | |
| 22 | | | | | | 96 | 6.5 | 5.5 | | | 74 | 8.5 | 6.0 | | | 67 | 4.0 | 4.5 | | |
| 23 | | | | | | 96 | 6.5 | 5.0 | | | 73 | 8.5 | 5.5 | | | 65 | 4.5 | 3.0 | | |

| HR. LST. | FREQUENCY (Mc) 10 | | | | | 20 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 40 | 3.0 | 2.5 | | | 24 | 1.0 | 1.0 | | | | | | | | | | | | |
| 01 | 39 | 4.0 | 2.0 | | | 23 | 2.0 | 0.1 | | | | | | | | | | | | |
| 02 | 39 | 3.0 | 2.0 | | | 23 | 1.1 | 1.0 | | | | | | | | | | | | |
| 03 | 38 | 3.0 | 1.5 | | | 23 | 1.1 | 1.0 | | | | | | | | | | | | |
| 04 | 39 | 2.5 | 1.0 | | | 23 | 1.0 | 1.0 | | | | | | | | | | | | |
| 05 | 40 | 2.0 | 2.0 | | | 22 | 1.9 | 0.9 | | | | | | | | | | | | |
| 06 | 43 | 3.0 | 3.0 | | | 22 | 1.1 | 1.0 | | | | | | | | | | | | |
| 07 | 45 | 3.0 | 2.5 | | | 22 | 1.0 | 1.0 | | | | | | | | | | | | |
| 08 | 44 | 3.0 | 3.1 | | | 22 | 1.0 | 1.0 | | | | | | | | | | | | |
| 09 | 43 | 3.0 | 4.1 | | | 22 | 1.1 | 1.0 | | | | | | | | | | | | |
| 10 | 41 | 4.5 | 2.5 | | | 22 | 2.0 | 1.0 | | | | | | | | | | | | |
| 11 | 41 | 5.0 | 3.5 | | | 22 | 1.6 | 1.5 | | | | | | | | | | | | |
| 12 | 42 | 6.5 | 3.5 | | | 26 | 2.5 | 1.1 | | | | | | | | | | | | |
| 13 | 43 | 6.7 | 3.5 | | | 26 | 3.1 | 1.0 | | | | | | | | | | | | |
| 14 | 44 | 5.1 | 4.0 | | | 26 | 1.9 | 1.0 | | | | | | | | | | | | |
| 15 | 47 | 2.0 | 4.1 | | | 26 | 3.7 | 1.1 | | | | | | | | | | | | |
| 16 | 49 | 6.1 | 3.5 | | | 26 | 4.1 | 1.0 | | | | | | | | | | | | |
| 17 | 50 | 5.5 | 3.0 | | | 27 | 3.0 | 2.0 | | | | | | | | | | | | |
| 18 | 52 | 4.0 | 3.5 | | | 26 | 3.1 | 1.0 | | | | | | | | | | | | |
| 19 | 53 | 4.0 | 3.5 | | | 26 | 2.9 | 1.0 | | | | | | | | | | | | |
| 20 | 52 | 4.5 | 5.0 | | | 24 | 2.2 | 1.0 | | | | | | | | | | | | |
| 21 | 49 | 4.5 | 4.0 | | | 24 | 1.0 | 1.0 | | | | | | | | | | | | |
| 22 | 45 | 4.5 | 3.1 | | | 24 | 1.1 | 1.0 | | | | | | | | | | | | |
| 23 | 42 | 4.5 | 2.5 | | | 24 | 1.0 | 1.0 | | | | | | | | | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION KEKAHA, HAWAII LAT. 22.0 N LONG. 159.7 W JUNE 1964

| HR. LST | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 153 | 2.0 | 2.0 | 8.5 | 13.0 | 126 | 6.0 | 4.0 | 9.5 | 14.5 | 104 | 7.7 | 6.0 | 8.5 | 14.0 | 82 | 9.2 | 5.6 | 9.5 | 18.0 |
| 01 | 153 | 2.0 | 1.5 | 8.5 | 14.0 | 126 | 6.0 | 4.0 | 10.5 | 16.0 | 102 | 9.9 | 4.0 | 9.5 | 16.5 | 82 | 7.5 | 3.5 | 8.8 | 16.8 |
| 02 | 153 | 3.5 | 2.0 | 9.0 | 15.0 | 128 | 4.0 | 5.5 | 10.5 | 15.5 | 104 | 7.5 | 4.0 | 10.0 | 16.0 | 82 | 9.0 | 4.0 | 10.8 | 18.0 |
| 03 | 153 | 3.5 | 2.0 | 10.5 | 16.5 | 128 | 5.5 | 5.5 | 10.5 | 17.3 | 104 | 5.5 | 4.0 | 9.3 | 16.5 | 82 | 7.5 | 6.0 | 9.5 | 18.0 |
| 04 | 153 | 2.0 | 2.0 | 11.0 | 17.5 | 128 | 4.0 | 4.0 | 10.5 | 17.0 | 104 | 6.0 | 3.5 | 10.0 | 18.0 | 82 | 6.0 | 4.0 | 10.5 | 19.0 |
| 05 | 153 | 3.5 | 2.0 | 11.3 | 18.5 | 128 | 4.1 | 2.1 | 11.3 | 18.3 | 102 | 7.5 | 4.0 | 11.0 | 19.0 | 78 | 6.0 | 7.5 | 8.8 | 16.8 |
| 06 | 153 | 3.5 | 2.0 | 11.8 | 18.3 | 120 | 7.0 | 2.0 | 11.0 | 17.3 | 84 | 7.5 | 7.5 | *10.3 | *15.5 | 58 | 13.0 | 4.0 | 5.0 | 7.5 |
| 07 | 151 | 2.1 | 2.0 | 11.0 | 18.0 | 114 | 9.0 | 2.0 | 11.5 | 17.0 | 74 | 14.4 | 6.0 | * 8.5 | *12.0 | 56 | 9.8 | 4.0 | * 4.0 | * 7.0 |
| 08 | 151 | 2.0 | 2.0 | 10.5 | 16.8 | 110 | 7.3 | 4.1 | 9.3 | 13.3 | 74 | 12.7 | 8.0 | 12.5 | 17.5 | 56 | 7.8 | 4.1 | * 5.5 | * 8.5 |
| 09 | 151 | 2.1 | 2.0 | 9.5 | 15.5 | 110 | 7.5 | 4.0 | 8.3 | 12.8 | 76 | 12.1 | 10.0 | 10.5 | 16.5 | 54 | 9.6 | 2.0 | 4.0 | 6.5 |
| 10 | 151 | 2.1 | 2.0 | 10.0 | 16.0 | 112 | 9.6 | 4.0 | 11.0 | 17.0 | 76 | 12.0 | 10.0 | * 7.0 | *12.3 | 56 | 4.1 | 4.0 | * 6.3 | * 9.3 |
| 11 | 151 | 2.1 | 2.0 | 9.5 | 14.5 | 114 | 4.6 | 4.3 | 8.8 | 12.8 | 73 | 15.2 | 6.9 | * 9.8 | *16.3 | 54 | 7.9 | 3.7 | 5.0 | 7.0 |
| 12 | 151 | 2.0 | 2.0 | 9.3 | 14.3 | 114 | 8.4 | 4.0 | 9.0 | 13.0 | 72 | 17.5 | 4.1 | 11.0 | 14.5 | 54 | 5.7 | 2.0 | 3.8 | 6.5 |
| 13 | 151 | 4.0 | 2.0 | 8.8 | 14.3 | 112 | 13.0 | 2.0 | 9.0 | 13.5 | 74 | 16.0 | 6.3 | * 9.5 | *13.0 | 56 | 5.7 | 4.1 | 4.0 | 6.0 |
| 14 | 151 | 3.7 | 2.0 | 10.0 | 15.0 | 112 | 11.5 | 2.0 | 10.0 | 13.0 | 72 | 13.7 | 3.8 | 8.5 | 12.5 | 54 | 6.1 | 2.0 | * 5.0 | * 7.5 |
| 15 | 151 | 2.1 | 2.0 | 10.0 | 15.5 | 112 | 9.7 | 5.6 | 11.0 | 15.0 | 73 | 12.6 | 7.1 | *10.5 | *15.5 | 54 | 4.6 | 2.0 | * 3.0 | * 5.5 |
| 16 | 150 | 3.1 | 1.0 | 11.0 | 17.0 | 110 | 9.7 | 3.9 | 11.5 | 15.5 | 72 | 13.7 | 6.0 | 9.5 | 13.5 | 54 | 4.0 | 2.0 | 4.5 | 6.5 |
| 17 | 149 | 3.5 | 1.5 | 11.0 | 16.5 | 108 | 10.0 | 4.0 | 9.5 | 12.5 | 70 | 19.8 | 4.0 | 9.0 | 12.5 | 54 | 9.8 | 2.0 | 4.0 | 7.0 |
| 18 | 149 | 2.0 | 2.0 | 11.0 | 16.8 | 106 | 8.0 | 4.0 | 7.0 | 10.0 | 76 | 7.3 | 4.0 | 5.5 | 10.0 | 58 | 6.0 | 4.0 | 3.8 | 7.0 |
| 19 | 149 | 0.0 | 2.0 | 9.0 | 14.0 | 112 | 3.5 | 3.5 | 6.5 | 10.5 | 90 | 6.0 | 7.5 | 6.5 | 11.5 | 70 | 10.0 | 6.0 | 9.8 | 16.8 |
| 20 | 149 | 2.0 | 2.0 | 9.0 | 14.3 | 120 | 3.5 | 4.0 | 7.5 | 12.0 | 98 | 7.5 | 6.0 | 7.0 | 12.0 | 76 | 9.0 | 6.0 | 8.5 | 16.3 |
| 21 | 151 | 2.0 | 2.0 | 8.8 | 13.8 | 122 | 5.5 | 2.0 | 7.5 | 12.0 | 98 | 8.0 | 6.0 | 9.0 | 14.8 | 80 | 7.5 | 7.5 | 10.0 | 17.0 |
| 22 | 151 | 2.0 | 2.0 | 8.3 | 13.8 | 124 | 7.5 | 4.0 | 9.0 | 14.0 | 100 | 8.0 | 5.5 | 7.5 | 13.0 | 82 | 6.0 | 8.0 | 9.0 | 16.5 |
| 23 | 153 | 1.5 | 2.0 | 8.3 | 13.0 | 124 | 6.0 | 2.0 | 9.8 | 14.8 | 102 | 9.5 | 6.0 | 9.5 | 16.0 | 84 | 5.5 | 8.0 | 9.5 | 15.0 |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 59 | 7.3 | 6.0 | 7.0 | 10.0 | 55 | 2.0 | 6.0 | 4.5 | 8.0 | 40 | 5.5 | 4.0 | * 4.8 | * 8.0 | 25 | 2.0 | 0.0 | 1.0 | 2.5 |
| 01 | 59 | 6.0 | 4.0 | 6.8 | 11.3 | 55 | 2.0 | 6.0 | * 4.8 | * 8.0 | 38 | 6.0 | 2.0 | 3.0 | 5.0 | 25 | 1.3 | 0.0 | 1.0 | 2.5 |
| 02 | 59 | 8.0 | 4.0 | 6.5 | 10.5 | 54 | 4.3 | 6.3 | 5.0 | 8.5 | 39 | 3.0 | 5.0 | 2.5 | 5.0 | 25 | 1.3 | 0.0 | 1.0 | 2.5 |
| 03 | 59 | 6.0 | 4.0 | 6.0 | 9.8 | 53 | 6.0 | 5.3 | * 4.0 | * 6.5 | 38 | 6.0 | 6.0 | 3.5 | 5.0 | 25 | | | 1.0 | 2.5 |
| 04 | 59 | 6.0 | 2.0 | 7.0 | 12.0 | 52 | 7.0 | 5.0 | * 5.3 | * 8.8 | 38 | 6.0 | 4.0 | * 5.5 | * 9.8 | 25 | 2.0 | 0.0 | 1.0 | 2.5 |
| 05 | 59 | 6.0 | 4.0 | 7.0 | 12.5 | 51 | 4.0 | 4.0 | 5.0 | 8.0 | 34 | 7.3 | 4.0 | * 2.0 | * 4.5 | 25 | 1.3 | 0.0 | 1.0 | 2.5 |
| 06 | 55 | 4.0 | 6.0 | 5.8 | 8.8 | 47 | 4.0 | 4.0 | 5.0 | 8.0 | 34 | 5.3 | 4.0 | * 7.0 | *11.3 | 25 | | | 1.5 | 3.0 |
| 07 | 45 | 9.3 | 5.3 | 3.0 | 5.0 | 40 | 7.0 | 5.0 | 5.0 | 8.0 | 34 | 5.3 | 7.3 | * 6.0 | * 9.0 | 25 | 1.5 | 2.0 | 2.0 | 3.5 |
| 08 | 37 | 9.7 | 5.6 | 2.0 | 4.0 | 30 | 10.3 | 5.0 | 3.8 | 6.0 | 30 | 5.9 | 6.0 | * 4.0 | * 6.5 | 23 | 2.1 | 0.0 | 1.5 | 3.0 |
| 09 | 31 | 10.1 | 2.0 | * 2.5 | * 4.8 | 25 | 8.0 | 4.0 | 4.8 | 6.8 | 27 | 6.7 | 6.6 | 4.5 | 6.8 | 23 | 2.0 | 1.7 | 2.0 | 3.5 |
| 10 | 31 | 9.7 | 2.1 | 2.5 | 4.3 | 23 | 7.6 | 4.0 | 4.0 | 5.5 | 24 | 6.0 | 4.0 | 4.5 | 6.5 | 23 | 1.7 | 2.0 | 2.0 | 3.5 |
| 11 | 29 | 7.9 | 0.2 | 2.8 | 4.5 | 21 | 8.0 | 2.0 | 3.5 | 5.5 | 22 | 4.0 | 2.3 | * 4.3 | * 6.0 | 23 | 0.0 | 2.0 | 2.0 | 3.5 |
| 12 | 29 | 7.7 | 2.0 | 2.5 | 4.0 | 21 | 7.7 | 2.0 | 2.5 | 5.0 | 22 | 4.0 | 2.0 | 3.5 | 5.8 | 23 | 0.0 | 2.0 | 2.0 | 3.5 |
| 13 | 27 | 12.0 | 0.0 | 2.3 | 4.5 | 21 | 9.6 | 2.0 | * 3.5 | * 5.5 | 22 | 5.9 | 2.0 | 4.0 | 6.0 | 23 | 2.1 | 0.0 | 2.0 | 3.5 |
| 14 | 28 | 9.0 | 1.0 | 2.3 | 4.0 | 21 | 8.0 | 2.0 | 3.0 | 5.5 | 24 | 5.6 | 3.6 | 4.5 | 7.5 | 25 | 1.7 | 2.0 | 2.3 | 3.8 |
| 15 | 29 | 9.6 | 2.1 | 2.8 | 4.5 | 23 | 8.0 | 3.5 | 3.0 | 5.0 | 28 | 2.1 | 4.0 | 5.0 | 7.0 | 25 | 3.3 | 2.0 | 3.0 | 5.0 |
| 16 | 29 | 12.0 | 2.0 | 2.5 | 4.3 | 25 | 7.9 | 4.0 | 3.5 | 5.5 | 32 | 3.6 | 4.1 | 4.0 | 7.5 | 25 | 2.0 | 2.0 | 2.5 | 4.3 |
| 17 | 31 | 13.5 | 2.0 | 2.5 | 4.0 | 31 | 6.0 | 5.3 | 3.8 | 6.3 | 38 | 4.0 | 4.0 | 3.8 | 7.0 | 25 | 2.0 | 1.3 | 2.5 | 4.0 |
| 18 | 41 | 6.0 | 9.3 | 1.5 | 3.5 | 42 | 3.0 | 5.0 | 3.0 | 5.0 | 40 | 4.0 | 4.0 | 4.0 | 6.5 | 25 | 2.0 | 0.0 | 2.0 | 3.5 |
| 19 | 47 | 7.3 | 4.6 | 3.5 | 5.5 | 49 | 3.3 | 4.0 | 4.0 | 6.0 | 40 | 4.0 | 4.0 | 4.0 | 7.0 | 25 | 4.0 | 0.0 | 2.0 | 3.5 |
| 20 | 54 | 7.0 | 5.0 | 5.0 | 6.8 | 51 | 4.0 | 4.0 | 4.5 | 7.0 | 40 | 3.3 | 2.0 | 4.0 | 6.5 | 25 | 4.0 | 0.0 | 1.3 | 3.0 |
| 21 | 57 | 6.0 | 6.6 | 7.3 | 11.5 | 51 | 5.3 | 4.0 | 4.0 | 7.0 | 40 | 2.0 | 4.0 | 4.0 | 7.0 | 25 | 6.0 | 0.0 | 2.5 | 4.3 |
| 22 | 57 | 6.0 | 4.0 | 5.5 | 8.8 | 51 | 4.0 | 4.0 | 4.5 | 7.5 | 38 | 4.0 | 2.0 | 3.5 | 5.8 | 25 | 2.0 | 0.0 | 1.0 | 2.5 |
| 23 | 59 | 3.3 | 5.3 | 6.0 | 9.5 | 52 | 3.0 | 3.0 | 5.0 | 8.5 | 38 | 4.0 | 4.0 | 2.8 | 4.8 | 25 | 2.0 | 0.0 | 1.0 | 2.5 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION KEKAHA, HAWAII LAT. 22.0 N LONG. 159.7 W JULY 1964

| HR. LST. | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 153 | 2.3 | 2.0 | 7.0 | 12.0 | 126 | 2.3 | 2.3 | 9.0 | 14.5 | 102 | 8.3 | 4.0 | 11.0 | 16.5 | 82 | 8.3 | 6.3 | 10.5 | 18.3 |
| 01 | 153 | 4.0 | 0.0 | 7.5 | 12.5 | 128 | 2.0 | 4.0 | 9.5 | 15.0 | 102 | 8.3 | 6.0 | 10.5 | 17.0 | 84 | 6.0 | 10.0 | 11.5 | 19.0 |
| 02 | 155 | 0.3 | 4.0 | 8.8 | 14.5 | 128 | 4.0 | 2.3 | 10.8 | 16.5 | 104 | 4.0 | 6.0 | 10.8 | 18.0 | 84 | 6.0 | 8.3 | 13.5 | 23.3 |
| 03 | 153 | 4.0 | 2.0 | 9.5 | 15.5 | 128 | 4.0 | 2.0 | 11.0 | 17.0 | 102 | 8.0 | 4.0 | 11.5 | 18.8 | 82 | 6.3 | 6.3 | *12.5 | *22.0 |
| 04 | 153 | 2.3 | 2.0 | 10.0 | 16.0 | 130 | 4.0 | 4.3 | 12.5 | 19.3 | 104 | 6.3 | 4.3 | 11.0 | 17.5 | 82 | 8.0 | 10.0 | *14.0 | *23.5 |
| 05 | 154 | 2.9 | 3.0 | 11.5 | 18.3 | 129 | 4.9 | 5.0 | 12.0 | 19.5 | 103 | 7.2 | 5.2 | 11.5 | 18.0 | 76 | 10.2 | 4.4 | 13.0 | 19.5 |
| 06 | 153 | 2.2 | 2.2 | 12.0 | 19.0 | 122 | 4.2 | 4.0 | 12.8 | 19.8 | 86 | 6.3 | 8.0 | *14.0 | *20.5 | 58 | 4.2 | 4.2 | 5.3 | 7.5 |
| 07 | 151 | 2.3 | 4.0 | 12.0 | 19.0 | 116 | 6.3 | 4.0 | 13.8 | 21.0 | 71 | 15.4 | 10.7 | 12.3 | 19.8 | 54 | 8.9 | 4.2 | 6.0 | 8.5 |
| 08 | 149 | 4.1 | 2.1 | 11.0 | 17.5 | 108 | 9.7 | 4.1 | 10.3 | 14.3 | 68 | 22.4 | 7.7 | 13.5 | 18.0 | 54 | 10.0 | 6.1 | 5.5 | 8.0 |
| 09 | 149 | 4.1 | 2.0 | 9.5 | 15.5 | 108 | 11.6 | 4.0 | 12.0 | 17.5 | 70 | 20.3 | 9.5 | 16.5 | 26.0 | 52 | 11.8 | 4.0 | 4.5 | 7.0 |
| 10 | 149 | 4.0 | 2.0 | 9.3 | 15.0 | 112 | 8.1 | 6.0 | 9.8 | 14.3 | 70 | 21.2 | 9.7 | 17.3 | 24.8 | 52 | 10.5 | 4.0 | 4.8 | 8.0 |
| 11 | 151 | 4.0 | 2.5 | 8.5 | 13.5 | 112 | 10.0 | 4.0 | 9.0 | 13.5 | 66 | 25.5 | 4.9 | 14.5 | 22.3 | 52 | 12.4 | 6.0 | 5.5 | 9.0 |
| 12 | 151 | 4.0 | 2.0 | 9.0 | 14.0 | 114 | 6.0 | 4.5 | 10.5 | 15.0 | 70 | 18.0 | 10.9 | 15.0 | 25.5 | 52 | 10.0 | 6.0 | * 3.3 | * 6.0 |
| 13 | 151 | 2.0 | 4.0 | 8.5 | 13.8 | 114 | 7.1 | 6.0 | 10.5 | 16.0 | 74 | 10.7 | 12.7 | *13.0 | *20.0 | 50 | 8.0 | 4.0 | * 5.3 | * 7.8 |
| 14 | 151 | 2.0 | 4.0 | 8.0 | 13.0 | 110 | 10.0 | 4.0 | 10.5 | 14.5 | 64 | 20.7 | 2.0 | *13.0 | *21.0 | 52 | 4.0 | 6.0 | * 4.0 | * 6.3 |
| 15 | 151 | 2.0 | 4.0 | 9.3 | 14.5 | 110 | 8.7 | 4.7 | 11.3 | 15.5 | 66 | 14.5 | 6.5 | *12.8 | *16.8 | 52 | 7.0 | 4.5 | 5.5 | 9.0 |
| 16 | 149 | 2.0 | 4.0 | 10.0 | 15.8 | 108 | 6.0 | 4.5 | 10.0 | 13.5 | 64 | 12.1 | 4.0 | * 5.5 | * 8.0 | 52 | 4.0 | 4.0 | 4.5 | 7.5 |
| 17 | 148 | 3.0 | 3.0 | 11.0 | 17.0 | 106 | 6.2 | 6.0 | 13.5 | 19.0 | 64 | 10.8 | 4.0 | 7.0 | 10.8 | 50 | 4.2 | 2.2 | * 3.8 | * 6.5 |
| 18 | 149 | 2.0 | 4.0 | 10.5 | 16.5 | 106 | 2.3 | 4.0 | 8.3 | 12.3 | 78 | 6.6 | 8.0 | 7.5 | 12.0 | 56 | 8.3 | 4.3 | 4.0 | 6.5 |
| 19 | 149 | 2.0 | 4.0 | 8.5 | 14.3 | 112 | 4.0 | 4.0 | 7.8 | 12.0 | 90 | 4.3 | 4.0 | 6.5 | 11.0 | 68 | 6.6 | 8.0 | 8.5 | 12.0 |
| 20 | 149 | 2.3 | 2.0 | 7.5 | 12.5 | 118 | 4.3 | 2.0 | 8.0 | 13.0 | 96 | 6.3 | 6.3 | 6.0 | 11.0 | 74 | 10.0 | 8.3 | * 7.5 | *13.0 |
| 21 | 151 | 2.3 | 2.0 | 7.5 | 12.0 | 120 | 4.3 | 2.3 | 9.0 | 14.5 | 98 | 4.3 | 6.0 | 9.8 | 15.0 | 74 | 12.3 | 4.3 | 12.8 | 19.8 |
| 22 | 153 | 2.0 | 2.3 | 7.5 | 12.0 | 122 | 6.0 | 2.0 | 9.3 | 14.3 | 100 | 4.3 | 6.3 | 11.0 | 16.0 | 76 | 10.8 | 4.6 | *11.0 | *18.3 |
| 23 | 153 | 2.3 | 2.0 | 7.0 | 11.5 | 124 | 4.0 | 4.0 | 9.5 | 14.3 | 100 | 8.0 | 4.0 | 9.5 | 15.3 | 78 | 14.0 | 6.6 | 10.5 | 17.5 |

| HR. LST. | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 56 | 4.1 | 4.1 | 6.0 | 9.5 | 50 | 5.9 | 2.1 | * 3.0 | * 6.5 | 37 | 4.1 | 3.7 | * 7.5 | *10.3 | 25 | 2.0 | 0.0 | 1.3 | 2.5 |
| 01 | 58 | 2.0 | 6.0 | 6.0 | 10.5 | 50 | 4.0 | 4.0 | * 3.5 | * 7.8 | 37 | 3.9 | 4.1 | 3.5 | 5.5 | 25 | 0.1 | 0.0 | 1.0 | 2.5 |
| 02 | 56 | 4.1 | 5.9 | * 7.0 | *12.5 | 50 | 3.9 | 3.7 | | | 35 | 3.7 | 3.7 | 2.5 | 5.0 | 25 | 2.0 | 0.0 | 1.5 | 3.0 |
| 03 | 56 | 3.7 | 3.7 | 6.0 | 10.5 | 50 | 4.0 | 2.0 | * 6.0 | * 9.5 | 33 | 5.7 | 3.7 | * 7.0 | *12.3 | 25 | 2.1 | 0.0 | 1.3 | 2.8 |
| 04 | 56 | 4.1 | 4.0 | 5.5 | 9.0 | 48 | 4.1 | 3.7 | * 5.8 | *10.5 | 37 | 4.0 | 6.0 | * 8.5 | *14.0 | 25 | 3.7 | 0.0 | 1.0 | 2.5 |
| 05 | 56 | 4.0 | 5.7 | 6.5 | 10.5 | 46 | 6.0 | 4.0 | 5.5 | 9.0 | 33 | 4.0 | 4.0 | * 3.0 | * 5.0 | 25 | 2.0 | 0.0 | 1.5 | 3.0 |
| 06 | 54 | 4.1 | 6.1 | * 6.5 | *11.0 | 44 | 6.1 | 4.0 | 4.5 | 8.0 | 35 | 5.9 | 6.1 | 5.5 | 8.5 | 25 | 2.1 | 2.0 | 2.0 | 3.3 |
| 07 | 44 | 4.0 | 8.0 | * 3.5 | * 7.0 | 36 | 6.0 | 2.0 | 6.0 | 9.0 | 33 | 6.0 | 7.6 | * 5.5 | * 9.0 | 23 | 4.1 | 0.0 | 2.0 | 3.5 |
| 08 | 36 | 3.7 | 4.0 | * 2.5 | * 4.5 | 30 | 7.7 | 5.7 | * 5.0 | * 7.5 | 29 | 6.1 | 5.9 | * 3.0 | * 5.0 | 23 | 2.1 | 0.0 | 1.5 | 3.0 |
| 09 | 30 | 6.0 | 2.0 | 2.5 | 4.0 | 26 | 4.0 | 5.7 | * 5.0 | * 7.0 | 27 | 3.7 | 4.1 | 3.5 | 5.0 | 23 | 4.0 | 0.0 | 1.8 | 3.5 |
| 10 | 28 | 7.7 | 0.1 | * 4.3 | * 6.3 | 22 | 8.3 | 2.1 | 2.5 | 4.5 | 25 | 3.7 | 4.1 | 2.5 | 4.0 | 23 | 2.3 | 0.3 | 1.5 | 3.0 |
| 11 | 29 | 6.4 | 3.0 | 3.0 | 4.8 | 20 | 7.4 | 2.7 | * 2.0 | * 3.5 | 23 | 4.0 | 4.0 | * 2.5 | * 4.0 | 23 | 2.0 | 2.0 | 1.5 | 3.0 |
| 12 | 28 | 10.7 | 2.0 | * 3.0 | * 5.0 | 20 | 8.5 | 4.0 | 3.5 | 6.0 | 23 | 2.0 | 4.0 | * 2.5 | * 4.3 | 23 | 2.0 | 2.0 | * 1.8 | * 3.3 |
| 13 | 28 | 10.7 | 2.0 | * 3.5 | * 5.0 | 20 | 8.0 | 3.1 | * 3.3 | * 5.3 | 23 | 2.0 | 4.0 | * 2.8 | * 4.3 | 23 | 2.0 | 0.5 | * 2.3 | * 4.5 |
| 14 | 28 | 6.0 | 2.5 | 2.5 | 4.5 | 20 | 6.7 | 4.0 | * 4.5 | * 6.5 | 23 | 2.0 | 4.0 | * 3.0 | * 5.0 | 23 | 2.5 | 0.0 | 2.0 | 4.0 |
| 15 | 28 | 6.0 | 2.0 | 3.0 | 5.0 | 20 | 6.7 | 2.0 | * 4.5 | * 6.5 | 25 | 4.0 | 2.5 | * 2.5 | * 4.5 | 25 | 2.0 | 2.0 | 2.5 | 4.5 |
| 16 | 32 | 4.0 | 6.0 | 2.3 | 3.8 | 22 | 6.5 | 2.5 | * 3.5 | * 5.5 | 31 | 2.0 | 6.2 | 3.5 | 6.0 | 25 | 3.9 | 2.0 | 2.3 | 3.8 |
| 17 | 32 | 4.0 | 3.9 | 3.5 | 5.0 | 30 | 2.0 | 4.0 | 3.0 | 5.3 | 35 | 2.2 | 5.9 | 3.5 | 6.5 | 27 | 0.0 | 2.2 | 1.5 | 3.0 |
| 18 | 36 | 3.9 | 4.2 | 2.5 | 5.0 | 39 | 5.1 | 3.2 | 3.0 | 6.0 | 39 | 2.0 | 4.2 | 4.0 | 7.5 | 27 | 2.0 | 2.2 | 1.5 | 3.0 |
| 19 | 42 | 7.7 | 5.7 | * 3.5 | * 6.5 | 46 | 6.0 | 3.9 | * 3.5 | * 6.5 | 37 | 4.0 | 2.2 | 4.0 | 6.5 | 27 | 0.2 | 2.0 | 2.0 | 3.5 |
| 20 | 50 | 6.2 | 6.1 | 4.5 | 7.5 | 50 | 3.9 | 4.2 | 3.5 | 7.0 | 37 | 2.0 | 4.1 | 3.5 | 6.0 | 26 | 1.0 | 1.0 | 2.0 | 3.5 |
| 21 | 52 | 6.2 | 5.9 | 5.5 | 8.8 | 50 | 4.0 | 4.0 | 3.5 | 6.5 | 37 | 2.0 | 4.0 | 3.5 | 5.8 | 25 | 2.2 | 0.0 | 1.3 | 2.5 |
| 22 | 52 | 6.2 | 3.9 | * 4.0 | * 7.5 | 50 | 4.0 | 4.0 | * 4.0 | * 7.5 | 37 | 2.2 | 4.0 | 3.5 | 6.0 | 25 | 2.0 | 0.0 | 1.5 | 2.8 |
| 23 | 56 | 4.0 | 4.2 | * 5.0 | * 8.5 | 52 | 4.1 | 6.0 | * 3.5 | * 6.3 | 36 | 3.2 | 3.0 | * 3.3 | * 5.5 | 25 | 2.2 | 0.0 | 1.0 | 2.5 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION NEW DELHI, INDIA LAT. 28.8 N LONG. 77.3 E JUNE 1964

| HR. LST | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 159 | 3.2 | 1.0 | 8.0 | 11.0 | 136 | 6.2 | 4.2 | 8.3 | 11.3 | 118 | 9.1 | 5.0 | 8.0 | 13.0 | 100 | 8.5 | 12.0 | 8.0 | 11.5 |
| 01 | 160 | 2.0 | 2.2 | 8.0 | 11.0 | 138 | 2.7 | 6.0 | 8.5 | 11.3 | 119 | 8.2 | 7.9 | 8.8 | 14.0 | 102 | 6.7 | 14.7 | 7.0 | 11.0 |
| 02 | 159 | 4.9 | 1.2 | 9.0 | 12.0 | 138 | 8.0 | 6.0 | 8.8 | 12.3 | 119 | 10.5 | 4.5 | 8.5 | 13.8 | 100 | 8.5 | 18.6 | 8.0 | 12.5 |
| 03 | 160 | 2.2 | 3.9 | 9.5 | 12.0 | 138 | 6.9 | 3.8 | 9.0 | 13.0 | 117 | 10.6 | 8.6 | 9.0 | 14.3 | 100 | 9.8 | 10.9 | 8.0 | 14.0 |
| 04 | 160 | 2.2 | 3.9 | 8.5 | 11.0 | 135 | 9.0 | 3.5 | 9.3 | 13.0 | 115 | 14.0 | 10.3 | 9.5 | 14.5 | 90 | 18.7 | 8.7 | 10.0 | 14.3 |
| 05 | 158 | 4.0 | 2.0 | 7.8 | 10.3 | 132 | 8.0 | 6.0 | 8.8 | 11.8 | 110 | 15.0 | 17.9 | 12.0 | 15.5 | 86 | 15.3 | 15.3 | 4.0 | 8.0 |
| 06 | 156 | 3.9 | 1.9 | 7.0 | 9.8 | 128 | 9.3 | 5.3 | 9.0 | 11.5 | 109 | 15.0 | 17.5 | 13.0 | 20.0 | 78 | 21.7 | 9.7 | * 4.0 | * 5.3 |
| 07 | 156 | 4.0 | 2.0 | 8.5 | 11.0 | 126 | 5.5 | 4.0 | * 8.8 | *12.0 | 102 | 19.9 | 7.9 | 12.5 | 15.0 | 76 | 21.8 | 8.0 | * 4.0 | * 7.0 |
| 08 | 156 | 4.3 | 2.0 | 8.0 | 11.5 | 126 | 13.1 | 3.9 | * 9.3 | *12.3 | 105 | 19.5 | 11.5 | * 9.0 | *14.0 | 76 | 25.1 | 5.9 | * 8.0 | *14.0 |
| 09 | 156 | 4.2 | 2.0 | 8.8 | 11.5 | 130 | 9.0 | 7.5 | 9.5 | 13.3 | 101 | 20.0 | 6.0 | 10.0 | 14.3 | 76 | 21.2 | 10.0 | 6.8 | 8.8 |
| 10 | 156 | 4.0 | 2.9 | 8.0 | 11.5 | 128 | 8.6 | 4.3 | 9.5 | 14.0 | 101 | 21.9 | 8.3 | * 8.3 | *12.3 | 72 | 27.7 | 4.0 | * 3.0 | * 7.0 |
| 11 | 156 | 4.1 | 0.1 | 8.8 | 11.8 | *130 | | | * 9.0 | *13.0 | 103 | 20.2 | 5.9 | 9.5 | 14.0 | * 82 | | | * 7.5 | *11.0 |
| 12 | 158 | 3.8 | 2.0 | 7.5 | 11.0 | 134 | 7.5 | 5.5 | 8.5 | 12.0 | 113 | 15.2 | 12.0 | 8.8 | 14.3 | * 92 | | | * 5.0 | * 8.0 |
| 13 | 160 | 4.0 | 2.0 | 7.3 | 10.8 | 138 | 10.3 | 8.0 | 7.8 | 11.8 | 115 | 11.1 | 12.0 | 9.0 | 12.5 | 90 | 17.8 | 16.3 | * 7.5 | * 9.5 |
| 14 | 162 | 2.5 | 4.0 | 7.8 | 10.8 | 136 | 7.5 | 6.0 | 8.0 | 11.0 | 121 | 10.9 | 15.8 | 9.0 | 15.0 | 96 | 14.3 | 27.1 | * 6.5 | *10.5 |
| 15 | 162 | 4.0 | 2.0 | 7.0 | 9.5 | 138 | 7.0 | 7.5 | 6.5 | 10.8 | 123 | 10.0 | 20.0 | 6.0 | 11.0 | 102 | 13.9 | 25.4 | * 6.3 | *12.0 |
| 16 | 164 | 2.3 | 4.0 | 6.5 | 9.5 | 138 | 8.9 | 8.0 | 6.5 | 11.0 | 123 | 6.7 | 16.0 | 6.0 | 11.5 | 100 | 8.9 | 19.5 | 6.0 | 11.0 |
| 17 | 162 | 2.0 | 2.0 | 6.5 | 9.5 | 136 | 8.7 | 6.7 | 7.0 | 10.5 | 121 | 9.1 | 13.1 | 7.3 | 13.8 | 96 | 11.5 | 22.3 | 8.0 | 12.5 |
| 18 | 160 | 4.0 | 2.0 | 6.0 | 8.5 | 138 | 6.0 | 10.0 | 7.0 | 12.0 | 122 | 5.0 | 11.9 | 6.5 | 11.0 | 98 | 10.2 | 12.0 | 8.0 | 14.0 |
| 19 | 160 | 2.0 | 4.0 | 6.5 | 9.0 | 138 | 6.0 | 4.0 | 7.5 | 13.0 | 121 | 5.9 | 12.0 | 6.5 | 11.8 | 100 | 7.3 | 15.3 | 6.5 | 11.0 |
| 20 | 160 | 2.2 | 3.9 | 7.0 | 9.5 | 138 | 6.0 | 4.5 | 8.3 | 13.0 | 119 | 6.5 | 10.0 | 7.0 | 11.0 | 99 | 9.9 | 13.4 | 7.0 | 11.0 |
| 21 | 160 | 2.0 | 2.2 | 7.3 | 10.0 | 138 | 4.0 | 4.5 | 9.0 | 11.8 | 119 | 6.2 | 6.4 | 8.0 | 11.5 | 98 | 8.5 | 12.0 | 8.0 | 15.0 |
| 22 | 160 | 2.0 | 2.0 | 7.0 | 9.5 | 136 | 6.0 | 4.0 | 9.3 | 13.0 | 119 | 6.3 | 5.4 | 7.0 | 12.0 | 100 | 4.7 | 14.1 | 8.0 | 13.5 |
| 23 | 160 | 2.0 | 2.0 | 6.8 | 9.8 | 136 | 4.0 | 3.1 | 7.5 | 10.0 | 119 | 4.3 | 4.6 | 8.0 | 12.5 | 98 | 8.0 | 7.4 | * 6.8 | *12.0 |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 69 | 10.0 | 11.2 | * 7.0 | *10.5 | 60 | 3.1 | 19.2 | * 7.5 | *10.0 | 41 | 6.3 | 8.3 | * 4.5 | * 7.0 | 25 | 1.6 | 2.0 | * 1.8 | * 3.0 |
| 01 | 69 | 9.5 | 18.7 | * 8.5 | *11.8 | 58 | 7.1 | 16.5 | * 6.5 | *10.0 | 41 | 6.0 | 5.4 | * 5.5 | * 7.3 | 25 | 2.0 | 2.0 | * 2.0 | * 3.5 |
| 02 | 69 | 10.0 | 20.2 | * 8.0 | *10.5 | 58 | 6.2 | 14.3 | 5.5 | 7.8 | 39 | 13.1 | 6.3 | 5.0 | 6.5 | 25 | 2.4 | 2.0 | * 2.0 | * 3.5 |
| 03 | 69 | 10.6 | 7.3 | * 5.5 | * 9.0 | 56 | 8.0 | 12.7 | * 5.8 | * 8.5 | 41 | 12.9 | 6.9 | * 3.0 | * 5.0 | 25 | 2.3 | 2.0 | * 1.8 | * 3.0 |
| 04 | 67 | 14.1 | 11.3 | * 8.0 | *10.5 | 56 | 7.3 | 13.7 | * 6.5 | * 9.5 | 41 | 8.0 | 8.0 | * 4.8 | * 5.3 | 25 | 4.1 | 2.0 | * 1.5 | * 3.0 |
| 05 | 61 | 16.0 | 12.6 | * 8.0 | *10.0 | 54 | 10.0 | 15.8 | * 6.0 | * 8.5 | 43 | 4.0 | 4.7 | * 4.5 | * 7.0 | 25 | 2.1 | 2.0 | * 1.0 | * 3.0 |
| 06 | 57 | 11.4 | 10.0 | 7.0 | 10.5 | 50 | 10.9 | 8.0 | 6.5 | 9.0 | 43 | 3.3 | 4.6 | * 7.0 | * 9.5 | 25 | 2.0 | 2.0 | * 2.3 | * 3.8 |
| 07 | 51 | 15.1 | 7.2 | * 5.5 | * 8.3 | 44 | 14.0 | 4.9 | * 8.0 | * 9.5 | 41 | 6.9 | 4.9 | 7.0 | 8.5 | 25 | 2.0 | 2.0 | * 3.3 | * 4.8 |
| 08 | 49 | 15.0 | 4.0 | 5.0 | 5.5 | * 44 | | | * 7.5 | * 8.3 | 39 | 7.3 | 3.7 | 4.8 | 6.5 | 25 | 2.1 | 2.0 | * 4.5 | * 6.0 |
| 09 | 49 | 13.8 | 3.7 | 2.5 | 4.0 | 42 | 11.1 | 8.0 | * 4.5 | * 5.0 | 37 | 5.0 | 2.5 | * 5.5 | * 6.5 | 25 | 3.9 | 2.0 | * 4.0 | * 5.0 |
| 10 | 52 | 16.9 | 7.0 | * 2.0 | * 4.0 | 41 | 12.8 | 5.4 | * 3.0 | * 7.0 | 37 | 8.3 | 3.1 | * 4.5 | * 4.0 | * 26 | | | | |
| 11 | * 47 | | | | | * 40 | | | * 5.5 | * 8.3 | * 39 | | | * 4.8 | * 5.8 | * 28 | | | * 4.0 | * 5.0 |
| 12 | 51 | 11.9 | 12.4 | * 4.5 | * 6.0 | 45 | 13.0 | 7.0 | * 5.5 | * 9.0 | 41 | 10.2 | 3.1 | * 5.5 | * 8.5 | * 27 | | | * 3.8 | * 5.8 |
| 13 | 53 | 23.1 | 17.5 | * 6.3 | * 9.8 | 46 | 13.8 | 12.4 | * 5.0 | * 7.5 | 41 | 7.0 | 5.5 | 5.0 | 7.5 | * 29 | | | * 3.8 | * 5.3 |
| 14 | * 55 | | | * 8.0 | *11.0 | 50 | 9.0 | 8.0 | 5.8 | 8.5 | 47 | 8.9 | 12.6 | 4.5 | 7.3 | 29 | 6.3 | 2.3 | * 5.8 | * 7.5 |
| 15 | 57 | 18.8 | 8.2 | * 6.0 | * 7.0 | 54 | 13.1 | 8.0 | * 5.8 | * 9.0 | 48 | 5.0 | 13.0 | * 5.0 | * 7.5 | 31 | 5.7 | 4.0 | * 3.8 | * 6.0 |
| 16 | 62 | 12.0 | 14.6 | * 4.0 | * 6.0 | 57 | 11.0 | 7.0 | * 3.5 | * 7.0 | 51 | 5.7 | 12.2 | * 3.5 | * 7.0 | 31 | 7.0 | 4.0 | * 4.0 | * 5.0 |
| 17 | 61 | 12.4 | 7.5 | * 6.0 | * 8.5 | 60 | 5.1 | 17.7 | * 5.0 | * 7.0 | 51 | 5.1 | 10.0 | * 5.0 | * 7.0 | 29 | 8.4 | 2.0 | * 4.5 | * 5.5 |
| 18 | 67 | 7.9 | 6.1 | * 5.0 | * 7.5 | 66 | 2.1 | 10.7 | 6.0 | 8.5 | 51 | 2.3 | 2.1 | | | 29 | 2.1 | 2.1 | * 3.8 | * 5.3 |
| 19 | 75 | 2.1 | 31.4 | * 6.0 | * 9.8 | 66 | 2.0 | 26.4 | * 6.3 | * 9.3 | 51 | 4.0 | 12.7 | * 5.5 | * 8.8 | 27 | 4.0 | 3.3 | * 3.0 | * 4.5 |
| 20 | 75 | 6.6 | 30.0 | * 6.8 | *10.5 | 64 | 6.0 | 24.9 | * 6.5 | * 8.5 | 50 | 2.7 | 14.3 | * 4.5 | * 6.3 | 27 | 2.1 | 2.1 | * 2.0 | * 3.5 |
| 21 | 73 | 4.1 | 6.9 | * 7.0 | *10.5 | 62 | 6.0 | 18.3 | * 5.8 | * 8.0 | 49 | 2.0 | 13.1 | | | 25 | 2.0 | 0.0 | * 2.5 | * 4.3 |
| 22 | 71 | 5.5 | 8.4 | * 7.0 | *10.0 | 64 | 3.0 | 6.0 | * 4.5 | * 7.3 | 47 | 3.7 | 13.1 | * 4.5 | * 7.5 | 25 | 2.0 | 2.0 | * 2.0 | * 3.5 |
| 23 | 67 | 11.3 | 21.7 | * 6.3 | * 9.0 | 58 | 6.0 | 20.4 | * 5.5 | * 8.5 | 45 | 5.1 | 7.2 | * 7.0 | * 7.5 | 25 | 1.5 | 1.5 | * 2.0 | * 3.5 |

* Fewer than 15 days data an pawer measurements and na camputatians made for $D_u$ and $D_\ell$.

* Fewer than 7 days data an valtage and lagarithmic measurements.

$F_{am}$ = median value af effective antenna naise in db abave ktb.

$D_u$ = ratia af upper decile ta median in db.

$D_\ell$ = ratia af median ta lawer decile in db.

$V_{dm}$ = median deviatian af average valtage in db belaw mean power.

$L_{dm}$ = median deviatian af average lagarithm in db belaw mean pawer.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION NEW DELHI, INDIA LAT. 28.8 N LONG. 77.3 E JULY 1964

| HR. LST | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 160 | 4.0 | 5.7 | 8.0 | 11.0 | 141 | 6.0 | 6.9 | 8.0 | 12.0 | 122 | 10.5 | 8.0 | 8.8 | 12.8 | 107 | 8.2 | 11.9 | 8.0 | 13.0 |
| 01 | 159 | 5.1 | 3.0 | 9.0 | 12.0 | 141 | 6.0 | 6.0 | *10.0 | *13.8 | 122 | 10.2 | 7.9 | 11.0 | 14.5 | 105 | 12.0 | 8.3 | 9.8 | 14.8 |
| 02 | 158 | 6.0 | 2.2 | 9.0 | 12.5 | 140 | 9.0 | 5.9 | 10.5 | 15.0 | 122 | 7.4 | 5.4 | 10.3 | 14.0 | 104 | 11.0 | 5.9 | *10.8 | *15.5 |
| 03 | 160 | 4.0 | 4.0 | 9.5 | 12.3 | 141 | 8.7 | 8.7 | 11.0 | 16.0 | 125 | 9.0 | 13.0 | *12.8 | *17.0 | 105 | 10.7 | 10.7 | *10.5 | *17.5 |
| 04 | 158 | 6.0 | 2.0 | 10.0 | 13.0 | 140 | 7.0 | 6.3 | *11.8 | *14.8 | 122 | 12.0 | 8.5 | *13.5 | *16.8 | 99 | 18.0 | 8.0 | *10.8 | *15.5 |
| 05 | 158 | 7.5 | 4.0 | 8.3 | 10.8 | 133 | 12.2 | 7.1 | 13.5 | 18.0 | 116 | 17.7 | 11.3 | *13.3 | *19.0 | 93 | 28.1 | 17.8 | *12.3 | *18.5 |
| 06 | 154 | 14.9 | 2.9 | * 8.0 | *10.0 | 131 | 14.4 | 9.5 | 12.8 | 16.5 | 111 | 20.1 | 18.3 | *14.5 | *20.0 | 85 | 29.4 | 12.0 | * 5.0 | * 5.5 |
| 07 | 154 | 19.2 | 3.7 | 7.5 | 10.0 | 129 | 28.6 | 12.3 | *15.0 | *19.5 | 106 | 28.9 | 15.6 | *13.0 | *15.0 | 79 | 41.1 | 8.0 | 9.0 | 9.0 |
| 08 | 154 | 9.5 | 4.3 | 6.5 | 9.0 | 125 | 24.3 | 6.1 | *13.0 | *18.5 | 104 | 27.9 | 13.5 | *13.0 | *18.3 | 77 | 32.4 | 6.5 | * 4.5 | * 5.5 |
| 09 | 155 | 3.7 | 4.6 | 8.3 | 12.0 | *125 | | | *12.5 | *13.5 | 100 | 27.1 | 8.0 | *10.3 | *13.8 | 75 | 23.7 | 5.6 | * 5.5 | * 6.0 |
| 10 | 154 | 4.0 | 4.0 | 7.5 | 10.5 | *127 | | | *10.0 | *14.0 | 100 | 23.1 | 6.6 | *17.0 | *20.0 | * 78 | | | * 4.0 | * 7.0 |
| 11 | 158 | 3.6 | 4.1 | 7.5 | 11.0 | *131 | | | *11.0 | *16.0 | *118 | | | | | 103 | 4.1 | 31.9 | *10.5 | *12.0 |
| 12 | 158 | 5.7 | 2.0 | * 8.3 | *11.8 | 135 | 10.0 | 8.0 | *10.5 | *14.8 | 118 | 10.6 | 11.1 | *12.5 | *14.5 | 97 | 17.5 | 20.0 | * 8.0 | *14.0 |
| 13 | 160 | 6.9 | 2.9 | 9.0 | 12.3 | 138 | 11.1 | 9.2 | * 8.5 | *12.5 | 122 | 9.7 | 16.8 | *11.0 | *16.5 | 103 | 10.0 | 17.5 | *10.0 | *15.0 |
| 14 | 162 | 4.6 | 4.0 | 7.5 | 11.0 | 143 | 7.5 | 11.0 | * 8.5 | *12.5 | 124 | 8.0 | 10.0 | * 8.5 | *13.5 | 105 | 14.3 | 10.6 | *14.3 | *20.5 |
| 15 | 162 | 6.0 | 2.0 | 7.8 | 11.0 | 143 | 9.8 | 9.8 | *10.5 | *14.5 | 126 | 13.1 | 7.1 | *10.0 | *15.5 | 103 | 18.6 | 12.6 | *12.0 | *16.8 |
| 16 | 162 | 6.2 | 1.9 | 7.3 | 10.3 | 143 | 8.0 | 6.5 | * 8.3 | *12.8 | 122 | 14.6 | 8.0 | 9.3 | 14.5 | 105 | 11.5 | 13.9 | 11.0 | 17.5 |
| 17 | 162 | 5.6 | 2.0 | 7.5 | 10.0 | 139 | 10.3 | 6.0 | 8.5 | 13.0 | 122 | 10.5 | 10.5 | 8.5 | 13.0 | 105 | 9.3 | 13.3 | *13.0 | *20.5 |
| 18 | 162 | 2.0 | 4.0 | 7.5 | 10.8 | 140 | 7.0 | 9.0 | 9.8 | 13.3 | 122 | 6.7 | 10.0 | * 8.0 | *12.8 | 101 | 10.0 | 11.1 | 8.0 | 12.3 |
| 19 | 158 | 8.0 | 2.1 | 7.5 | 10.0 | 139 | 8.0 | 6.0 | 8.5 | 13.5 | 123 | 5.5 | 9.0 | * 9.3 | *13.8 | 105 | 4.0 | 9.4 | 8.5 | 12.5 |
| 20 | 160 | 2.2 | 2.4 | 8.0 | 11.0 | 141 | 4.0 | 9.1 | 9.8 | 13.5 | 122 | 6.0 | 4.2 | 8.0 | 12.0 | 105 | 5.9 | 6.4 | 6.3 | 10.5 |
| 21 | 158 | 6.0 | 2.1 | 7.3 | 10.5 | 139 | 6.0 | 6.5 | 8.5 | 12.0 | 122 | 7.7 | 5.7 | 7.8 | 12.3 | 105 | 8.0 | 8.0 | 8.0 | 13.5 |
| 22 | 160 | 4.0 | 4.2 | 8.0 | 11.3 | 139 | 6.1 | 7.7 | 8.0 | 11.5 | 122 | 8.0 | 6.0 | 8.0 | 12.3 | 105 | 7.9 | 8.2 | 8.3 | 12.5 |
| 23 | 160 | 4.0 | 4.3 | 8.8 | 12.0 | 139 | 4.5 | 4.5 | 10.3 | 12.8 | 122 | 8.0 | 7.5 | 9.0 | 13.5 | 105 | 8.1 | 8.1 | 8.8 | 12.5 |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 75 | 8.2 | 8.0 | 5.5 | 8.8 | 63 | 8.9 | 7.0 | 5.5 | 7.5 | 45 | 6.0 | 4.0 | 4.5 | 7.0 | 25 | 2.2 | 2.0 | 2.0 | 3.5 |
| 01 | 74 | 9.2 | 7.0 | 5.5 | 9.0 | 62 | 8.0 | 6.0 | 6.0 | 7.5 | 45 | 8.7 | 6.7 | 3.8 | 6.3 | 25 | 2.4 | 2.0 | * 2.5 | * 3.5 |
| 02 | 73 | 12.0 | 7.9 | 6.0 | 8.3 | 62 | 7.0 | 8.0 | 5.0 | 7.0 | 43 | 12.5 | 4.0 | * 4.0 | * 6.5 | 25 | 3.4 | 2.0 | 2.5 | 4.0 |
| 03 | 75 | 11.1 | 9.1 | * 6.3 | * 9.5 | 60 | 10.9 | 4.9 | 5.5 | 7.0 | 44 | 7.9 | 3.9 | 6.5 | 7.5 | 25 | 4.0 | 2.0 | 2.3 | 4.0 |
| 04 | 75 | 8.0 | 6.0 | 6.8 | 10.3 | 58 | 8.6 | 5.3 | 8.0 | 10.5 | 44 | 12.4 | 5.0 | 3.5 | 6.5 | 23 | 5.4 | 0.7 | 3.0 | 3.5 |
| 05 | 69 | 15.5 | 8.6 | * 7.3 | *11.8 | 56 | 14.9 | 6.0 | * 7.5 | *11.0 | 47 | 13.9 | 6.1 | * 7.3 | *11.0 | 23 | 10.0 | 2.0 | 2.8 | 3.8 |
| 06 | 63 | 13.9 | 13.0 | 8.0 | 13.0 | 54 | 15.2 | 8.2 | * 9.3 | *13.8 | 43 | 10.9 | 4.0 | * 7.5 | * 9.5 | 23 | 5.9 | 2.0 | 2.0 | 3.5 |
| 07 | 53 | 23.6 | 6.0 | * 5.5 | * 7.0 | 51 | 17.4 | 11.0 | * 8.3 | *13.5 | 39 | 12.6 | 4.0 | 5.5 | 8.0 | 23 | 10.4 | 2.0 | * 3.0 | * 4.0 |
| 08 | 53 | 26.1 | 6.0 | 4.0 | 8.0 | 47 | 29.2 | 9.3 | *10.5 | *16.0 | 39 | 14.6 | 6.0 | * 7.5 | *10.0 | 24 | 14.5 | 3.0 | * 3.0 | * 4.5 |
| 09 | 51 | 33.6 | 6.0 | * 5.5 | *10.0 | 44 | 32.7 | 7.7 | * 7.0 | * 9.0 | 37 | 13.4 | 3.5 | * 5.0 | * 7.0 | 23 | 19.4 | 2.0 | * 3.8 | * 5.3 |
| 10 | * 49 | | | * 1.5 | * 3.5 | 44 | 21.4 | 8.3 | * 6.0 | *10.3 | 39 | 9.0 | 6.0 | * 8.5 | * 9.0 | 23 | 8.0 | 0.3 | * 1.8 | * 3.0 |
| 11 | * 58 | | | *14.5 | *18.5 | * 48 | | | | | * 43 | | | * 7.5 | *11.0 | 26 | 3.3 | 3.0 | * 3.0 | * 5.0 |
| 12 | * 55 | | | * 9.5 | *12.8 | 48 | 10.6 | 8.0 | * 7.0 | *10.5 | 41 | 10.4 | 3.7 | * 9.0 | *11.0 | 27 | 6.0 | 2.9 | * 5.0 | * 5.5 |
| 13 | 57 | 23.7 | 7.7 | * 6.8 | *11.0 | 48 | 15.1 | 7.1 | * 9.8 | *12.3 | 45 | 5.5 | 4.0 | * 3.8 | * 6.3 | 29 | 4.9 | 4.9 | 6.0 | 8.0 |
| 14 | 61 | 18.7 | 12.1 | *12.0 | *16.3 | 52 | 17.3 | 9.3 | 12.5 | 16.0 | 45 | 5.2 | 3.6 | 3.5 | 6.0 | 29 | 12.0 | 3.3 | * 3.0 | * 5.0 |
| 15 | 65 | 24.0 | 13.7 | * 9.5 | *14.3 | 58 | 20.0 | 10.2 | 9.0 | 12.5 | 49 | 5.8 | 5.3 | 5.0 | 7.5 | 31 | 15.1 | 4.0 | 4.0 | 5.0 |
| 16 | 67 | 22.0 | 12.7 | 12.0 | 16.0 | 58 | 13.9 | 4.0 | 4.3 | 7.3 | 51 | 2.6 | 4.0 | 3.0 | 5.3 | 31 | 4.3 | 5.7 | 3.5 | 5.0 |
| 17 | 65 | 17.9 | 6.5 | * 5.8 | * 8.5 | 62 | 8.3 | 4.0 | 5.0 | 7.0 | 53 | 4.6 | 4.0 | * 2.5 | * 4.8 | 29 | 6.0 | 4.0 | 3.0 | 4.5 |
| 18 | 69 | 12.7 | 6.0 | 5.5 | 9.5 | 66 | 6.5 | 6.5 | 4.5 | 7.5 | 51 | 5.4 | 2.7 | * 3.5 | * 6.0 | 27 | 10.0 | 2.0 | * 2.8 | * 4.8 |
| 19 | 75 | 8.3 | 10.0 | 6.0 | 9.0 | 66 | 6.0 | 6.5 | 4.5 | 6.8 | 53 | 5.0 | 4.0 | 3.8 | 5.8 | 27 | 4.1 | 3.7 | 3.0 | 4.5 |
| 20 | 79 | 4.0 | 8.5 | 5.0 | 7.0 | 66 | 4.5 | 8.0 | * 5.3 | * 7.5 | 51 | 10.2 | 2.0 | * 4.5 | * 7.0 | 25 | 4.2 | 2.0 | 2.3 | 4.0 |
| 21 | 77 | 6.0 | 8.5 | 6.5 | 9.5 | 64 | 6.0 | 6.0 | 5.0 | 7.0 | 51 | 22.8 | 4.0 | 4.5 | 6.0 | 25 | 2.0 | 2.0 | 2.5 | 3.5 |
| 22 | 75 | 6.7 | 6.7 | 6.0 | 9.0 | 62 | 8.0 | 6.0 | * 5.0 | * 6.5 | 49 | 14.8 | 4.0 | * 3.0 | * 5.0 | 25 | 2.0 | 2.0 | * 2.3 | * 3.0 |
| 23 | 77 | 6.0 | 10.7 | * 5.8 | * 8.5 | 62 | 6.5 | 6.0 | 5.0 | 7.0 | 49 | 13.6 | 4.2 | 5.8 | 7.8 | 25 | 3.6 | 2.0 | 4.5 | 5.5 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION NEW DELHI, INDIA LAT. 28.8 N LONG. 77.3 E AUGUST 1964

| HR. LST | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 161 | 2.0 | 4.1 | 9.0 | 12.5 | 141 | 4.3 | 4.1 | 10.5 | 14.5 | 122 | 7.1 | 6.7 | 9.5 | 15.0 | 103 | 8.0 | 9.0 | 8.0 | 12.5 |
| 01 | 159 | 4.9 | 3.7 | 9.5 | 12.5 | 141 | 4.9 | 6.0 | 10.0 | 15.0 | 123 | 5.5 | 7.5 | 10.0 | 15.0 | 101 | 9.5 | 7.0 | 9.5 | 12.5 |
| 02 | 159 | 2.1 | 4.0 | 9.8 | 13.0 | 140 | 5.0 | 10.3 | 11.3 | 15.5 | 123 | 7.6 | 7.8 | 9.5 | 15.0 | 103 | 10.0 | 8.1 | 8.5 | 12.3 |
| 03 | 159 | 4.0 | 4.0 | 9.5 | 13.0 | 141 | 2.1 | 9.6 | *12.3 | *16.5 | 121 | 8.0 | 7.9 | 8.5 | 14.0 | 103 | 6.1 | 11.4 | 8.0 | 14.0 |
| 04 | 159 | 2.0 | 4.1 | 10.3 | 13.8 | 139 | 6.1 | 9.2 | *13.0 | *15.8 | 121 | 9.9 | 8.3 | 11.0 | 16.5 | 100 | 11.0 | 10.8 | *10.5 | *15.8 |
| 05 | 157 | 5.6 | 4.0 | 8.5 | 11.0 | 129 | 14.7 | 4.7 | *11.3 | *14.8 | 112 | 14.8 | 8.7 | *11.5 | *18.0 | 89 | 13.0 | 12.0 | * 7.8 | *10.5 |
| 06 | 155 | 4.1 | 3.9 | 7.5 | 10.0 | 128 | 13.5 | 8.7 | *10.5 | *15.5 | 112 | 15.5 | 17.4 | *13.3 | *18.0 | 87 | 16.0 | 12.0 | *11.0 | *14.3 |
| 07 | 155 | 5.7 | 5.6 | 8.5 | 10.8 | 127 | 12.6 | 11.1 | *12.5 | *16.0 | 107 | 17.8 | 14.0 | *12.5 | *16.0 | 81 | 22.2 | 6.0 | * 4.0 | * 6.5 |
| 08 | 153 | 5.7 | 4.5 | 6.5 | 10.0 | 123 | 19.2 | 9.6 | * 8.8 | *11.3 | 103 | 22.0 | 13.5 | *11.8 | *15.8 | 77 | 25.6 | 4.1 | * 5.0 | * 4.5 |
| 09 | 153 | 8.0 | 4.0 | *10.0 | *11.5 | *129 | | | *11.5 | *14.5 | 111 | 17.5 | 17.5 | *11.0 | *16.0 | 78 | 29.4 | 8.3 | * 3.5 | * 9.0 |
| 10 | 155 | 4.7 | 6.0 | * 8.5 | *12.0 | 127 | 9.1 | 10.1 | *10.0 | *13.5 | 107 | 25.0 | 16.4 | *13.5 | *18.5 | 85 | 32.0 | 10.0 | * 9.3 | *13.5 |
| 11 | 157 | 10.4 | 4.5 | *12.0 | *13.0 | 133 | 15.6 | 7.9 | *12.0 | *15.5 | 117 | 16.9 | 19.0 | *13.5 | *18.0 | 96 | 23.6 | 15.0 | *11.3 | *17.3 |
| 12 | 160 | 9.0 | 5.0 | * 9.3 | *12.0 | *137 | | | *11.8 | *16.3 | 121 | 13.9 | 12.3 | 11.0 | 15.3 | 100 | 17.2 | 13.1 | 12.0 | 16.0 |
| 13 | 161 | 8.6 | 2.3 | 10.0 | 14.0 | 143 | 10.4 | 14.0 | * 9.3 | *14.3 | 123 | 10.9 | 12.6 | * 9.0 | *13.8 | 103 | 10.5 | 16.5 | * 9.0 | *16.0 |
| 14 | 163 | 4.0 | 4.0 | 9.5 | 14.5 | 143 | 7.4 | 10.0 | 9.5 | 14.0 | 123 | 8.0 | 8.0 | 8.8 | 13.8 | 102 | 11.5 | 11.5 | 8.0 | 13.8 |
| 15 | 164 | 2.7 | 5.4 | 8.0 | 12.5 | 141 | 8.0 | 6.7 | 7.5 | 12.0 | 123 | 11.6 | 7.7 | 7.5 | 11.5 | 100 | 13.2 | 10.9 | 8.5 | 12.0 |
| 16 | 163 | 3.5 | 2.5 | 8.5 | 12.5 | 141 | 8.3 | 6.6 | * 7.8 | *12.5 | 123 | 15.1 | 10.2 | 10.5 | 14.5 | 101 | 22.3 | 8.1 | * 7.8 | *15.0 |
| 17 | 163 | 3.5 | 3.1 | * 9.8 | *13.0 | 141 | 9.5 | 7.5 | *10.3 | *15.5 | 123 | 12.0 | 8.5 | 10.0 | 14.5 | 99 | 18.0 | 8.0 | * 9.5 | *14.5 |
| 18 | 161 | 7.8 | 2.9 | 8.0 | 12.0 | 141 | 12.2 | 6.0 | 9.0 | 14.0 | 123 | 13.3 | 5.6 | 8.3 | 12.8 | 103 | 14.3 | 6.3 | 9.5 | 12.0 |
| 19 | 161 | 4.1 | 4.0 | 8.8 | 12.8 | 139 | 8.8 | 6.3 | 9.5 | 14.5 | 123 | 7.5 | 7.0 | 8.5 | 14.0 | 103 | 6.0 | 4.0 | 7.0 | 13.0 |
| 20 | 159 | 4.8 | 2.1 | 9.0 | 12.0 | 139 | 6.7 | 8.0 | 9.0 | 15.0 | 123 | 9.0 | 7.5 | 8.0 | 13.0 | 105 | 4.0 | 8.0 | 7.5 | 12.5 |
| 21 | 159 | 4.1 | 2.1 | 9.3 | 13.3 | 139 | 7.0 | 6.0 | 10.5 | 15.0 | 123 | 7.9 | 7.9 | 9.3 | 13.5 | 103 | 7.5 | 4.0 | 6.5 | 12.0 |
| 22 | 159 | 4.1 | 4.0 | 10.0 | 12.5 | 139 | 7.2 | 2.0 | 11.0 | 16.0 | 123 | 9.0 | 7.5 | 9.5 | 14.0 | 103 | 7.5 | 6.0 | 9.5 | 14.5 |
| 23 | 159 | 4.0 | 4.0 | 10.0 | 12.5 | 139 | 4.0 | 4.0 | 9.5 | 15.5 | 122 | 5.0 | 5.1 | 10.0 | 12.5 | 103 | 6.0 | 9.5 | 8.5 | 13.0 |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 73 | 7.0 | 8.0 | 6.5 | 12.5 | 61 | 7.5 | 4.0 | 4.5 | 7.0 | 43 | 8.0 | 6.6 | | | 25 | 5.5 | 2.0 | 2.0 | 4.0 |
| 01 | 73 | 5.5 | 8.0 | 7.0 | 10.3 | 61 | 6.0 | 4.0 | 6.8 | 10.3 | 43 | 9.0 | 4.5 | | | 25 | 5.3 | 2.0 | 1.8 | 3.8 |
| 02 | 73 | 6.0 | 8.1 | 8.5 | 12.3 | 61 | 4.1 | 4.0 | 6.5 | 9.3 | 43 | 14.3 | 6.3 | | | 25 | 4.6 | 2.0 | 2.5 | 4.0 |
| 03 | 73 | 6.0 | 7.6 | 8.0 | 12.0 | 61 | 5.5 | 5.5 | 6.5 | 10.0 | 41 | 14.2 | 7.1 | | | 23 | 3.5 | 2.0 | 2.0 | 3.8 |
| 04 | 74 | 7.0 | 12.2 | * 5.5 | * 9.5 | 57 | 8.1 | 3.7 | 5.8 | 8.8 | 41 | 16.9 | 6.9 | | | 23 | 4.1 | 1.6 | 2.0 | 3.8 |
| 05 | 67 | 10.0 | 6.3 | * 7.8 | *12.0 | 57 | 8.2 | 4.2 | * 5.5 | * 8.5 | 45 | 23.4 | 8.0 | | | 23 | 2.6 | 2.0 | * 1.5 | 3.0 |
| 06 | 65 | 2.3 | 12.3 | * 8.3 | *11.0 | 57 | 9.5 | 10.0 | 5.5 | 9.5 | 43 | 24.7 | 8.0 | | | 23 | 2.0 | 2.0 | 1.5 | 3.0 |
| 07 | 58 | 7.4 | 8.9 | * 5.0 | *10.0 | 55 | 10.7 | 12.7 | * 7.5 | *12.5 | 39 | 17.9 | 6.0 | | | 23 | 2.0 | 2.0 | 2.0 | 3.5 |
| 08 | 56 | 8.3 | 5.0 | * 4.3 | * 8.0 | 50 | 12.8 | 10.7 | * 6.3 | *11.0 | 41 | 15.5 | 7.5 | | | 23 | 2.9 | 2.0 | 2.3 | 4.0 |
| 09 | 55 | 10.6 | 6.8 | * 4.5 | * 7.8 | 47 | 13.3 | 10.6 | * 6.8 | * 9.5 | 37 | 11.7 | 6.0 | | | 23 | 3.5 | 2.0 | * 1.5 | * 4.0 |
| 10 | 53 | 21.9 | 6.0 | * 3.3 | * 6.5 | 45 | 8.0 | 10.0 | * 5.5 | * 9.0 | 41 | 7.3 | 10.0 | | | 23 | 13.0 | 2.0 | * 1.5 | * 4.0 |
| 11 | 55 | 32.0 | 7.5 | * 4.0 | * 5.0 | 45 | 24.6 | 7.3 | 6.5 | 9.5 | 41 | 6.0 | 5.5 | | | 26 | 8.5 | 3.9 | 2.0 | 4.5 |
| 12 | 63 | 25.7 | 11.9 | * 8.3 | *14.3 | 49 | 24.7 | 8.7 | * 8.3 | *13.5 | 43 | 10.9 | 6.0 | | | 27 | 11.5 | 3.7 | 4.5 | 6.0 |
| 13 | 63 | 24.0 | 8.7 | * 6.8 | * 9.3 | 52 | 14.8 | 10.8 | * 5.0 | *12.0 | 43 | 10.9 | 4.9 | | | 29 | 7.4 | 4.5 | * 4.5 | * 6.5 |
| 14 | 64 | 13.0 | 11.0 | 5.0 | 9.0 | 53 | 13.1 | 8.0 | * 5.8 | * 9.3 | 45 | 5.1 | 5.1 | | | 30 | 5.5 | 3.5 | 2.8 | 5.0 |
| 15 | 57 | 25.5 | 6.0 | * 3.5 | * 7.5 | 57 | 12.7 | 8.0 | * 4.5 | * 9.0 | 47 | 7.9 | 6.1 | | | 29 | 6.1 | 4.0 | 3.3 | 6.3 |
| 16 | 63 | 15.3 | 8.0 | * 8.0 | *11.5 | 59 | 8.0 | 7.1 | * 4.5 | * 7.5 | 49 | 17.4 | 4.0 | | | 29 | 9.1 | 2.0 | 2.5 | 5.0 |
| 17 | 65 | 18.3 | 7.1 | * 7.0 | *10.0 | 61 | 6.6 | 6.0 | * 5.0 | * 8.5 | 51 | 7.4 | 4.5 | | | 29 | 6.4 | 2.0 | * 3.0 | * 5.0 |
| 18 | 72 | 12.3 | 7.0 | * 7.0 | *10.0 | 65 | 5.1 | 5.1 | 5.0 | 9.0 | 51 | 13.8 | 4.0 | | | 27 | 9.8 | 2.0 | * 3.3 | * 4.5 |
| 19 | 75 | 11.6 | 4.2 | 6.0 | 9.5 | 66 | 5.2 | 5.2 | * 5.0 | * 8.0 | 51 | 8.3 | 7.1 | | | 27 | 14.0 | 2.0 | 3.5 | 5.0 |
| 20 | 75 | 4.3 | 5.6 | 5.8 | 9.3 | 65 | 5.5 | 5.5 | 3.5 | 6.5 | 49 | 20.8 | 6.5 | | | 25 | 14.4 | 2.0 | 2.3 | 4.3 |
| 21 | 73 | 7.3 | 4.1 | 5.5 | 9.8 | 63 | 8.0 | 5.5 | 4.5 | 8.0 | 47 | 22.4 | 4.0 | | | 25 | 13.1 | 2.0 | 1.5 | 3.8 |
| 22 | 73 | 6.0 | 7.5 | 6.3 | 9.3 | 63 | 4.1 | 7.6 | 5.8 | 8.5 | 47 | 13.5 | 6.5 | | | 23 | 8.4 | 0.0 | * 2.3 | * 4.0 |
| 23 | 71 | 7.5 | 4.0 | 7.5 | 11.0 | 61 | 6.0 | 4.0 | 5.5 | 8.5 | 47 | 5.4 | 7.4 | | | 25 | 7.7 | 2.0 | 1.5 | 3.8 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION OHIRA, JAPAN LAT. 35.6 N LONG. 140.5 E JUNE 1964

| HR. LST | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 158 | 4.0 | 2.0 | 11.5 | 16.5 | 133 | 4.0 | 2.7 | 11.0 | 16.5 | 113 | 4.0 | 7.7 | 9.5 | 14.0 | 90 | 5.0 | 5.0 | *10.5 | *17.3 |
| 01 | 158 | 2.0 | 2.5 | *11.0 | *16.3 | 133 | 4.0 | 4.0 | *10.5 | *16.5 | 111 | 4.3 | 2.6 | * 8.5 | *13.5 | 91 | 4.6 | 6.0 | 10.5 | 17.0 |
| 02 | 158 | 2.3 | 2.3 | *10.5 | *16.0 | 133 | 4.9 | 2.0 | *11.3 | *17.3 | 112 | 5.1 | 3.2 | * 9.3 | *14.5 | 89 | 6.1 | 2.2 | * 8.5 | *14.5 |
| 03 | 158 | 2.0 | 2.0 | 11.5 | 16.5 | 133 | 4.3 | 4.6 | *11.8 | *17.8 | 111 | 6.0 | 6.0 | | | 89 | 6.3 | 6.1 | * 8.0 | *13.5 |
| 04 | 158 | 2.2 | 4.0 | *10.5 | *16.5 | 128 | 7.0 | 5.6 | 12.0 | 18.0 | 105 | 6.0 | 8.2 | * 8.5 | *14.0 | 75 | 12.8 | 10.6 | * 3.5 | * 5.5 |
| 05 | 156 | 2.5 | 4.0 | 11.5 | 17.0 | 125 | 5.3 | 7.3 | *11.0 | *17.5 | 89 | 20.0 | 9.4 | * 8.0 | *13.5 | 61 | 19.4 | 6.0 | | |
| 06 | 155 | 3.9 | 3.9 | *11.5 | *16.5 | 119 | 11.8 | 6.0 | *14.0 | *20.0 | 85 | 23.2 | 8.2 | * 7.8 | *12.3 | 60 | 30.4 | 6.3 | * 3.0 | * 4.5 |
| 07 | 156 | 2.7 | 4.0 | *12.0 | *18.0 | 119 | 9.5 | 4.0 | *14.0 | *21.0 | 91 | 16.1 | 4.3 | * 7.0 | *10.3 | 63 | 25.3 | 6.0 | * 2.3 | * 4.0 |
| 08 | 156 | 2.0 | 2.0 | 12.5 | 19.0 | 121 | 11.9 | 4.0 | *15.0 | *21.5 | 91 | 24.4 | 10.5 | * 3.0 | * 5.0 | 63 | 13.4 | 6.0 | | |
| 09 | 156 | 1.9 | 15.4 | *13.5 | *19.0 | *121 | | | *14.5 | *21.0 | * 91 | | | *13.0 | *20.0 | * 63 | | | * 1.5 | * 3.0 |
| 10 | *155 | | | *14.3 | *19.8 | *122 | | | *15.5 | *22.0 | * 91 | | | * 3.0 | * 5.0 | * 64 | | | * 3.5 | * 5.5 |
| 11 | 156 | 4.0 | 4.0 | *15.0 | *20.0 | 125 | 7.3 | 6.0 | *16.5 | *22.3 | 93 | 17.1 | 8.0 | * 3.5 | * 6.0 | 63 | 25.0 | 3.7 | * 4.5 | * 7.0 |
| 12 | 158 | 2.0 | 4.0 | 13.0 | 19.5 | 126 | 8.7 | 5.2 | 13.5 | 22.0 | 93 | 10.8 | 10.0 | *10.8 | *15.3 | 63 | 19.4 | 6.0 | * 3.0 | * 5.5 |
| 13 | 158 | 2.0 | 4.0 | *13.3 | *19.3 | 127 | 6.7 | 4.7 | *13.0 | *19.3 | 93 | 18.0 | 6.6 | *11.0 | *15.8 | 65 | 21.2 | 6.0 | * 3.0 | * 5.0 |
| 14 | 158 | 4.0 | 4.8 | 12.5 | 18.5 | 127 | 8.3 | 5.9 | 11.5 | 17.5 | 91 | 19.6 | 3.9 | 10.5 | 14.8 | 65 | 19.8 | 6.0 | *10.0 | *19.0 |
| 15 | 158 | 4.0 | 2.4 | 11.3 | 16.8 | 127 | 7.4 | 6.0 | * 9.5 | *14.5 | 93 | 18.0 | 4.0 | * 3.0 | * 6.5 | 67 | 24.7 | 6.7 | *10.5 | *20.0 |
| 16 | 160 | 2.9 | 2.0 | 10.3 | 15.8 | 127 | 10.3 | 4.0 | * 9.5 | *15.0 | 91 | 24.0 | 4.0 | * 9.5 | *14.0 | 65 | 32.6 | 5.8 | * 8.5 | *14.8 |
| 17 | 160 | 4.0 | 2.0 | 10.0 | 15.0 | 127 | 12.5 | 6.5 | 10.5 | 15.5 | 91 | 28.3 | 12.0 | 10.3 | 14.3 | 65 | 28.5 | 7.0 | *14.0 | *20.5 |
| 18 | 158 | 4.0 | 2.5 | 9.0 | 14.0 | 123 | 18.0 | 4.0 | *10.5 | *15.5 | 93 | 28.1 | 8.1 | *13.8 | *20.3 | 71 | 28.0 | 10.0 | *10.8 | *16.8 |
| 19 | 158 | 2.0 | 3.9 | 8.5 | 13.5 | 127 | 10.2 | 6.0 | *11.3 | *16.3 | 105 | 11.0 | 6.1 | 10.5 | 17.0 | 79 | 19.0 | 11.0 | * 8.0 | *11.5 |
| 20 | 158 | 3.9 | 2.0 | 9.8 | 14.3 | 131 | 7.9 | 6.3 | 10.0 | 15.0 | 111 | 6.3 | 6.3 | * 8.0 | *12.5 | 83 | 11.5 | 5.8 | * 8.0 | *12.5 |
| 21 | 158 | 4.2 | 1.9 | 10.0 | 14.0 | 133 | 5.7 | 6.0 | 9.8 | 15.0 | 113 | 6.0 | 6.0 | 9.3 | 14.0 | 87 | 10.3 | 8.6 | 9.0 | 14.0 |
| 22 | 158 | 4.3 | 2.0 | *11.8 | *16.8 | 133 | 4.6 | 4.0 | 9.0 | 14.5 | 113 | 6.6 | 6.3 | 8.5 | 13.5 | 88 | 9.5 | 4.9 | * 8.8 | *13.8 |
| 23 | 158 | 4.0 | 2.0 | 11.0 | 16.0 | 133 | 4.4 | 4.0 | 9.5 | 15.0 | 111 | 6.6 | 4.3 | * 8.0 | *13.3 | 89 | 7.1 | 8.0 | * 8.5 | *14.3 |

| HR. LST | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 65 | 7.5 | 4.0 | 7.5 | 12.0 | 59 | 6.0 | 4.1 | * 8.0 | *10.0 | 46 | 4.0 | 6.0 | * 3.5 | * 5.8 | 26 | 2.1 | 1.6 | 2.0 | 4.0 |
| 01 | 65 | 6.1 | 4.0 | 8.0 | 12.0 | 59 | 4.0 | 7.2 | * 6.5 | *11.0 | 44 | 6.3 | 2.3 | * 6.0 | * 8.0 | 26 | 2.0 | 2.0 | 2.0 | 3.0 |
| 02 | 65 | 6.1 | 5.7 | * 7.5 | *13.5 | 57 | 6.2 | 4.0 | * 9.3 | *13.8 | 45 | 5.0 | 5.0 | * 5.5 | * 8.5 | 26 | 2.0 | 2.0 | 2.0 | 3.5 |
| 03 | 65 | 4.2 | 6.2 | * 8.8 | *13.0 | 57 | 4.0 | 4.0 | * 8.0 | *12.0 | 40 | 8.0 | 5.1 | * 4.8 | * 7.0 | 26 | 2.0 | 2.0 | * 2.0 | * 3.8 |
| 04 | 57 | 9.7 | 6.1 | *10.5 | *14.0 | 53 | 6.1 | 3.9 | * 8.5 | *13.5 | 40 | 2.3 | 4.3 | * 5.0 | * 7.8 | 26 | 1.7 | 2.0 | * 2.3 | * 3.5 |
| 05 | 43 | 10.3 | 0.0 | * 7.0 | *11.5 | 49 | 6.0 | 4.0 | *11.0 | *13.0 | 41 | 3.0 | 3.5 | * 7.5 | *12.0 | 26 | 2.0 | 2.0 | * 3.0 | * 5.0 |
| 06 | 43 | 12.4 | 6.1 | * 9.5 | *13.5 | 45 | 6.8 | 8.0 | * 8.5 | *13.0 | 40 | 6.0 | 4.6 | * 9.5 | *13.5 | 26 | 2.0 | 2.0 | * 4.5 | * 7.0 |
| 07 | 43 | 0.8 | 5.9 | *10.0 | *14.3 | 43 | 8.0 | 6.0 | | | 38 | 9.0 | 6.0 | * 8.0 | *11.0 | 26 | 2.0 | 2.0 | * 3.0 | * 5.0 |
| 08 | 39 | 8.3 | 4.6 | * 8.0 | *11.0 | 43 | 6.3 | 6.6 | * 7.5 | *11.3 | 37 | 6.8 | 6.8 | * 2.0 | * 4.0 | 26 | 2.0 | 2.0 | * 5.5 | * 7.5 |
| 09 | 43 | 4.8 | 4.8 | * 5.5 | * 8.0 | 37 | 6.9 | 0.0 | *11.5 | *15.5 | 32 | 8.2 | 3.2 | * 5.8 | * 8.3 | 27 | 1.0 | 3.0 | * 3.0 | * 5.0 |
| 10 | * 39 | | | * 5.5 | * 7.5 | * 37 | | | *10.5 | *16.0 | * 36 | | | * 2.5 | * 3.5 | 26 | 4.6 | 2.0 | * 3.0 | * 4.5 |
| 11 | 39 | 7.8 | 2.0 | * 9.0 | *10.0 | 37 | 9.1 | 4.0 | * 9.5 | *13.0 | 32 | 10.0 | 4.0 | * 2.0 | * 4.5 | 26 | 2.0 | 2.0 | * 4.0 | * 5.0 |
| 12 | 39 | 6.0 | 0.7 | * 7.0 | * 9.5 | 37 | 8.0 | 4.2 | * 5.5 | * 7.0 | 32 | 8.5 | 4.0 | * 3.5 | * 5.0 | 26 | 2.0 | 2.0 | 3.3 | 5.3 |
| 13 | 39 | 4.4 | 0.1 | * 9.0 | * 9.5 | 37 | 6.3 | 4.0 | *10.8 | *14.3 | 36 | 4.3 | 4.6 | * 4.3 | * 6.0 | 27 | 1.0 | 3.0 | * 3.5 | * 4.8 |
| 14 | 39 | 4.8 | 2.0 | * 8.8 | *10.0 | 37 | 10.0 | 3.9 | * 9.8 | *13.5 | 38 | 4.1 | 6.0 | * 6.5 | *10.0 | 26 | 2.1 | 2.0 | 3.0 | 4.5 |
| 15 | 43 | 9.9 | 6.0 | * 6.8 | *10.0 | 43 | 8.4 | 6.0 | * 9.8 | *13.5 | 42 | 4.1 | 9.5 | 5.5 | 7.5 | 28 | 2.0 | 2.0 | 3.0 | 4.5 |
| 16 | 43 | 11.4 | 4.0 | * 8.3 | *11.5 | 45 | 7.7 | 8.0 | *11.5 | *18.0 | 44 | 6.5 | 4.0 | * 7.5 | * 9.5 | 28 | 4.7 | 2.0 | 4.3 | 6.8 |
| 17 | 43 | 16.0 | 0.0 | * 5.0 | * 6.0 | 49 | 9.3 | 6.0 | 10.5 | 13.5 | 46 | 7.7 | 3.9 | 3.5 | 6.0 | 28 | 2.1 | 1.6 | 3.0 | 4.5 |
| 18 | 49 | 13.7 | 6.3 | * 6.8 | * 9.5 | 55 | 6.3 | 6.1 | * 8.0 | *10.3 | 48 | 5.6 | 4.0 | * 3.5 | * 6.0 | 28 | 3.3 | 2.0 | 4.0 | 5.5 |
| 19 | 55 | 16.0 | 4.0 | * 9.0 | *11.3 | 60 | 6.3 | 4.3 | 8.0 | 10.5 | 52 | 3.7 | 6.0 | 3.5 | 7.5 | 29 | 4.9 | 1.2 | 3.3 | 5.0 |
| 20 | 63 | 7.5 | 5.5 | 7.0 | 9.0 | 63 | 5.5 | 4.0 | 6.3 | 10.3 | 50 | 4.0 | 4.0 | 5.5 | 7.5 | 28 | 4.1 | 1.6 | 3.0 | 4.5 |
| 21 | 67 | 7.7 | 5.7 | 6.0 | 10.3 | 63 | 7.0 | 6.0 | 6.5 | 10.0 | 48 | 6.0 | 4.1 | 5.5 | 9.0 | 28 | 2.1 | 2.0 | 2.5 | 5.0 |
| 22 | 67 | 5.5 | 6.0 | 7.5 | 10.8 | 63 | 5.7 | 6.0 | 7.5 | 10.3 | 48 | 4.2 | 6.2 | * 4.5 | * 7.5 | 28 | 2.0 | 2.0 | 2.5 | 3.5 |
| 23 | 67 | 8.0 | 4.0 | 6.5 | 10.0 | 63 | 4.1 | 8.1 | 7.0 | 10.5 | 46 | 6.2 | 4.2 | 7.0 | 8.5 | 26 | 2.0 | 0.1 | 2.0 | 3.5 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION OHIRA, JAPAN LAT. 35.6 N LONG. 140.5 E JULY 1964

| HR. LST. | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 160 | 6.0 | 2.7 | 11.5 | 17.3 | 134 | 5.8 | 4.0 | 10.0 | 15.5 | 114 | 6.1 | 4.1 | 8.8 | 15.3 | 94 | 6.1 | 6.2 | * 8.8 | *14.5 |
| 01 | 160 | 3.5 | 3.5 | *12.0 | *16.5 | 134 | 5.5 | 3.5 | * 9.0 | *15.5 | 115 | 3.1 | 5.0 | 8.5 | 14.8 | 94 | 3.7 | 5.8 | 8.5 | 14.5 |
| 02 | 160 | 4.0 | 5.5 | 11.8 | 17.5 | 135 | 7.6 | 5.0 | 10.8 | 16.0 | 114 | 6.0 | 4.0 | 8.3 | 14.5 | 92 | 6.0 | 9.0 | * 8.3 | *15.0 |
| 03 | 160 | 3.3 | 4.0 | *12.0 | *17.5 | 134 | 6.0 | 4.0 | 10.0 | 17.0 | 114 | 4.3 | 4.1 | 9.5 | 15.0 | 90 | 9.7 | 6.6 | * 8.5 | *14.5 |
| 04 | 158 | 7.8 | 4.9 | *13.0 | *18.5 | 130 | 7.6 | 10.0 | *10.5 | *17.5 | 108 | 8.6 | 12.3 | * 9.8 | *15.5 | 76 | 15.4 | 6.7 | *11.0 | *15.8 |
| 05 | 156 | 2.0 | 4.6 | *11.5 | *16.0 | 124 | 6.0 | 4.0 | * 8.5 | *13.5 | 94 | 18.0 | 8.7 | * 9.5 | *15.5 | 64 | 17.1 | 2.0 | * 6.3 | * 9.5 |
| 06 | 156 | 2.7 | 4.0 | 13.0 | 19.0 | 120 | 8.3 | 3.6 | * 7.0 | *11.0 | 88 | 24.3 | 6.0 | *12.8 | *17.3 | 62 | 21.8 | 2.0 | * 5.0 | * 7.5 |
| 07 | 156 | 4.0 | 2.9 | *11.8 | *16.8 | 120 | 9.5 | 5.5 | *14.0 | *21.5 | 94 | 17.0 | 10.0 | *12.3 | *17.5 | 65 | 27.2 | 3.0 | * 9.8 | *16.5 |
| 08 | 156 | 4.0 | 3.1 | 12.8 | 18.0 | 121 | 10.5 | 4.7 | *12.5 | *18.3 | 93 | 23.6 | 9.0 | *14.0 | *19.5 | 67 | 27.7 | 4.9 | * 3.5 | * 6.0 |
| 09 | 156 | 4.0 | 4.0 | 13.5 | 18.8 | *126 | | | *13.0 | *20.0 | * 94 | | | *13.8 | *19.5 | * 78 | | | | |
| 10 | *156 | | | *12.5 | *17.8 | *127 | | | *13.5 | *21.5 | * 94 | | | *10.5 | *16.8 | 64 | 32.0 | 2.0 | * 6.3 | *11.0 |
| 11 | 157 | 5.1 | 4.7 | *15.0 | *20.5 | 126 | 6.2 | 8.0 | *13.5 | *20.0 | 94 | 18.9 | 8.0 | *15.5 | *23.0 | 66 | 18.5 | 5.0 | *10.8 | *13.8 |
| 12 | 156 | 6.0 | 2.0 | *14.0 | *20.0 | 126 | 8.0 | 7.4 | *13.0 | *19.5 | 94 | 18.6 | 6.3 | *13.8 | *18.8 | 65 | 26.0 | 3.5 | *10.5 | *16.5 |
| 13 | 158 | 4.0 | 4.0 | *12.3 | *17.5 | 128 | 6.0 | 7.1 | *11.0 | *17.5 | 98 | 14.3 | 8.3 | *12.8 | *19.0 | 68 | 18.1 | 4.0 | | |
| 14 | 160 | 2.0 | 2.0 | *11.3 | *17.3 | 130 | 4.6 | 5.3 | 11.0 | 17.0 | 96 | 18.7 | 6.0 | * 9.5 | *15.0 | 72 | 25.4 | 8.0 | * 8.5 | *12.5 |
| 15 | 161 | 3.5 | 3.0 | 9.3 | 14.5 | 130 | 5.5 | 5.5 | 9.5 | 15.0 | 98 | 24.5 | 8.0 | 12.0 | 18.5 | 79 | 21.9 | 15.9 | *15.0 | *22.8 |
| 16 | 162 | 5.0 | 4.0 | 8.5 | 13.0 | 130 | 13.8 | 8.9 | 10.0 | 16.5 | 100 | 20.6 | 11.9 | *11.3 | *17.3 | 75 | 25.0 | 11.2 | *11.5 | *21.8 |
| 17 | 162 | 3.9 | 2.0 | * 7.8 | *12.0 | 126 | 14.7 | 4.0 | *11.3 | *17.5 | 94 | 27.4 | 8.7 | *12.5 | *20.0 | 75 | 22.8 | 9.9 | *10.8 | *18.5 |
| 18 | 160 | 4.5 | 2.0 | * 8.5 | *14.3 | 124 | 12.0 | 4.0 | *12.8 | *18.3 | 100 | 25.7 | 9.9 | *12.0 | *19.0 | 80 | 20.1 | 10.0 | *12.0 | *18.5 |
| 19 | 159 | 6.7 | 1.2 | 8.8 | 13.3 | 128 | 12.3 | 6.3 | 10.5 | 16.5 | 110 | 15.2 | 9.5 | *10.5 | *16.0 | 88 | 8.6 | 12.0 | * 8.5 | *13.0 |
| 20 | 160 | 2.0 | 4.0 | 8.5 | 14.0 | 132 | 5.1 | 4.0 | 9.3 | 15.3 | 114 | 9.0 | 4.0 | * 7.0 | *13.8 | 90 | 9.4 | 7.7 | * 9.5 | *15.0 |
| 21 | 160 | 5.9 | 2.1 | 10.0 | 15.0 | 136 | 4.0 | 4.0 | *13.5 | *19.0 | 114 | 8.0 | 3.3 | 9.3 | 14.8 | 94 | 5.6 | 6.1 | 7.5 | 12.0 |
| 22 | 160 | 6.3 | 2.2 | 10.0 | 15.5 | 134 | 6.0 | 4.0 | *11.5 | *17.0 | 114 | 11.0 | 4.0 | 8.0 | 13.3 | 94 | 4.1 | 5.8 | 8.5 | 13.0 |
| 23 | 160 | 2.5 | 2.0 | 9.5 | 16.0 | 134 | 4.0 | 4.0 | * 9.5 | *16.5 | 114 | 6.0 | 4.0 | * 7.5 | *12.8 | 94 | 6.1 | 5.9 | * 8.5 | *13.3 |

| HR. LST. | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 65 | 4.2 | 6.1 | * 4.5 | * 8.3 | 60 | 1.9 | 6.3 | | | 42 | 7.0 | 4.0 | * 6.0 | * 9.0 | 24 | 2.0 | 2.0 | * 2.3 | * 3.5 |
| 01 | 63 | 6.0 | 4.6 | * 5.0 | * 9.5 | 58 | 4.0 | 4.2 | * 5.5 | * 9.0 | 42 | 6.6 | 4.0 | * 2.8 | * 5.0 | 24 | 2.5 | 0.5 | * 2.0 | * 3.5 |
| 02 | 65 | 4.3 | 8.8 | * 8.0 | *13.3 | 56 | 6.5 | 4.0 | | | 41 | 3.0 | 3.0 | * 5.8 | * 8.5 | 24 | 2.0 | 2.0 | * 1.5 | * 3.5 |
| 03 | 64 | 3.5 | 7.0 | * 8.5 | *12.5 | 56 | 6.3 | 6.8 | * 8.8 | *12.8 | 42 | 3.3 | 7.1 | * 9.0 | *12.0 | 24 | 2.0 | 2.0 | * 2.0 | * 3.0 |
| 04 | 61 | 4.4 | 6.0 | *11.0 | *16.5 | 54 | 4.0 | 6.0 | * 6.5 | * 9.0 | 39 | 3.0 | 7.0 | * 4.8 | * 6.5 | 24 | 2.1 | 2.0 | * 2.0 | * 3.0 |
| 05 | 51 | 6.0 | 8.1 | * 7.0 | *10.0 | 52 | 6.0 | 6.6 | | | 38 | 2.0 | 7.1 | * 5.0 | * 7.0 | 24 | 2.0 | 2.0 | * 2.0 | * 3.5 |
| 06 | 43 | 7.7 | 3.7 | | | 46 | 8.0 | 4.0 | *11.0 | *14.5 | 42 | 5.2 | 7.7 | | | 24 | 2.0 | 2.0 | * 2.0 | * 3.5 |
| 07 | 43 | 4.4 | 4.2 | *10.3 | *14.0 | 41 | 10.8 | 3.1 | *14.0 | *17.0 | 40 | 5.3 | 8.0 | | | 24 | 2.0 | 2.0 | * 2.5 | * 4.0 |
| 08 | 41 | 5.9 | 4.0 | | | 38 | 8.4 | 3.7 | | | 38 | 5.1 | 6.0 | * 7.0 | * 9.5 | 24 | 2.0 | 2.0 | * 3.3 | * 5.3 |
| 09 | 41 | 8.2 | 4.2 | * 7.3 | * 9.8 | 39 | 8.3 | 4.3 | | | 34 | 14.3 | 4.3 | * 6.5 | * 8.5 | * 24 | | | * 3.0 | * 4.5 |
| 10 | * 39 | | | * 7.5 | *11.8 | * 38 | | | *11.0 | *13.0 | * 36 | | | * 4.5 | * 7.5 | * 24 | | | * 4.0 | * 3.5 |
| 11 | 43 | 4.0 | 9.0 | * 8.5 | *12.0 | 38 | 5.7 | 3.6 | | | 32 | 8.0 | 4.0 | * 4.0 | * 6.0 | 24 | 2.9 | 2.0 | * 3.0 | * 5.0 |
| 12 | 43 | 6.0 | 4.0 | * 9.3 | *13.3 | 37 | 7.0 | 4.9 | | | 32 | 5.9 | 4.2 | * 4.8 | * 6.5 | 24 | | | * 2.5 | * 4.5 |
| 13 | 43 | 6.0 | 6.0 | * 9.0 | *12.3 | 38 | 5.7 | 4.0 | | | 32 | 7.5 | 2.0 | * 9.5 | *12.0 | 26 | 0.5 | 4.0 | * 2.8 | * 3.5 |
| 14 | 42 | 4.9 | 5.0 | * 9.8 | *13.5 | 38 | 8.2 | 4.0 | | | 38 | 4.2 | 6.4 | | | 26 | 2.0 | 4.0 | * 2.8 | * 4.5 |
| 15 | 43 | 10.3 | 5.9 | * 8.8 | *11.5 | 40 | 9.7 | 5.6 | * 9.8 | *12.8 | 40 | 5.1 | 6.2 | | | 26 | 2.3 | 2.0 | * 2.5 | * 3.8 |
| 16 | 43 | 16.0 | 4.0 | *11.0 | *15.5 | 46 | 8.0 | 8.5 | *11.5 | *15.3 | 42 | 4.5 | 2.0 | * 7.5 | *11.0 | 26 | 3.0 | 2.0 | * 3.0 | * 4.0 |
| 17 | 46 | 11.1 | 7.0 | | | 48 | 9.1 | 5.1 | * 8.0 | *12.5 | 46 | 4.0 | 6.6 | * 5.0 | * 8.0 | 26 | 6.3 | 2.0 | * 3.5 | * 4.0 |
| 18 | 49 | 10.5 | 6.0 | *10.0 | *13.0 | 56 | 6.1 | 14.8 | * 9.0 | *13.3 | 48 | 2.5 | 4.5 | * 5.0 | * 7.0 | 26 | 6.0 | 2.0 | * 3.0 | * 4.5 |
| 19 | 56 | 11.1 | 7.0 | * 6.3 | * 9.5 | 60 | 4.1 | 6.0 | * 5.0 | * 6.8 | * 46 | | | * 3.8 | * 6.3 | 26 | 6.7 | 2.0 | * 3.0 | * 4.5 |
| 20 | 61 | 6.0 | 6.0 | * 9.5 | *12.5 | 60 | 6.1 | 3.1 | * 5.5 | * 8.3 | 47 | 7.1 | 5.7 | * 4.5 | * 6.3 | 26 | 3.6 | 2.1 | 2.5 | 4.0 |
| 21 | 64 | 5.0 | 5.0 | * 5.5 | * 8.3 | 60 | 5.9 | 11.5 | * 6.3 | * 9.0 | 44 | 6.1 | 4.0 | 5.0 | 7.5 | 26 | 2.0 | 2.0 | * 2.3 | * 3.5 |
| 22 | 65 | 6.0 | 3.7 | * 6.5 | *10.0 | 60 | 10.2 | 6.5 | * 6.0 | *10.0 | 44 | 12.9 | 4.0 | * 4.0 | * 7.0 | 26 | 2.0 | 2.1 | 2.5 | 3.0 |
| 23 | 63 | 7.9 | 3.7 | * 6.5 | * 9.5 | 60 | 4.5 | 10.5 | * 5.0 | * 9.5 | 43 | 8.8 | 5.0 | * 5.0 | * 8.0 | 24 | 3.9 | 0.2 | * 1.8 | * 3.5 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION DHIRA, JAPAN LAT. 35.6 N LONG. 140.5 E AUGUST 1964

| HR. LST. | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 158 | 4.5 | 4.1 | | | *136 | | | | | 116 | 4.0 | 4.7 | | | 92 | 12.4 | 8.4 | | |
| 01 | 158 | 7.7 | 4.2 | | | *137 | | | | | 116 | 7.2 | 6.0 | | | 96 | 10.0 | 9.1 | | |
| 02 | 158 | 6.0 | 4.1 | | | *136 | | | | | 116 | 6.0 | 6.0 | | | 96 | 9.8 | 6.0 | | |
| 03 | 159 | 3.2 | 5.2 | | | *137 | | | | | 116 | 7.7 | 6.0 | | | 96 | 6.2 | 5.1 | | |
| 04 | *158 | | | | | *138 | | | | | 116 | 6.0 | 8.2 | | | 91 | 8.9 | 10.3 | | |
| 05 | *156 | | | | | *131 | | | | | 100 | 21.0 | 7.5 | | | 76 | 21.1 | 14.0 | | |
| 06 | 154 | 6.0 | 2.0 | | | *128 | | | | | 95 | 19.3 | 15.3 | | | * 75 | | | | |
| 07 | *158 | | | | | *122 | | | | | * 95 | | | | | * 72 | | | | |
| 08 | *154 | | | | | *120 | | | | | * 94 | | | | | * 64 | | | | |
| 09 | *156 | | | | | *121 | | | | | * 94 | | | *11.0 | *17.5 | * 75 | | | | |
| 10 | *158 | | | | | *134 | | | | | * 98 | | | | | * 68 | | | | |
| 11 | 156 | 6.6 | 4.3 | *12.5 | *17.5 | *128 | | | | | * 94 | | | | | * 63 | | | | |
| 12 | 156 | 6.5 | 1.9 | *14.0 | *21.0 | *130 | | | | | 99 | 23.4 | 8.9 | | | 66 | 37.7 | 7.5 | | |
| 13 | 158 | 6.2 | 2.1 | *12.3 | *18.3 | *130 | | | | | 109 | 21.2 | 19.6 | | | 78 | 26.2 | 19.6 | | |
| 14 | 160 | 7.7 | 3.7 | *14.5 | *21.0 | *130 | | | | | 102 | 30.1 | 11.6 | | | 86 | 20.0 | 23.5 | * 3.0 | * 4.0 |
| 15 | 163 | 7.2 | 6.9 | * 9.0 | *15.0 | *131 | | | * 6.0 | * 9.5 | 116 | 15.5 | 25.5 | | | 92 | 13.3 | 29.3 | | |
| 16 | *162 | | | | | *134 | | | | | 112 | 20.0 | 27.3 | | | 88 | 19.9 | 27.9 | | |
| 17 | *160 | | | | | 131 | 17.8 | 9.0 | | | 102 | 34.6 | 11.3 | | | 78 | 29.5 | 13.9 | | |
| 18 | 158 | 10.1 | 2.1 | | | *123 | | | | | 112 | 19.6 | 9.8 | | | 90 | 19.5 | 15.6 | *13.5 | *24.0 |
| 19 | 158 | 11.9 | 3.5 | * 8.0 | *12.5 | 130 | 19.8 | 7.8 | | | 113 | 14.8 | 7.0 | * 9.0 | *14.0 | 92 | 14.2 | 10.3 | | |
| 20 | *158 | | | | | *133 | | | | | 116 | 10.7 | 4.7 | | | 93 | 14.3 | 6.3 | | |
| 21 | 160 | 3.7 | 5.9 | | | 135 | 5.3 | 9.2 | | | 114 | 9.4 | 2.0 | | | 96 | 6.6 | 7.3 | * 4.0 | * 8.5 |
| 22 | *159 | | | | | *136 | | | | | 116 | 9.8 | 6.0 | | | 93 | 12.8 | 5.9 | | |
| 23 | 158 | 8.0 | 2.1 | | | *135 | | | | | 117 | 6.4 | 7.0 | | | 94 | 11.0 | 7.5 | | |

| HR. LST. | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 64 | 8.1 | 6.2 | | | 58 | 4.7 | 4.0 | * 6.3 | * 9.8 | 42 | 4.6 | 4.2 | * 3.5 | * 7.0 | 24 | 2.0 | 0.9 | * 1.8 | * 3.0 |
| 01 | 64 | 10.5 | 6.5 | * 4.5 | * 7.0 | 58 | 2.0 | 6.0 | * 8.3 | *11.5 | 42 | 7.1 | 7.2 | | | 24 | | | * 1.5 | * 2.8 |
| 02 | 64 | 8.7 | 6.0 | | | 54 | 8.0 | 6.0 | * 9.5 | *14.0 | 42 | 5.8 | 4.9 | | | 24 | | | * 2.5 | * 3.0 |
| 03 | 65 | 6.9 | 6.9 | * 8.0 | *13.0 | 54 | 6.7 | 5.4 | * 8.5 | *12.5 | 42 | 5.7 | 9.7 | * 4.0 | * 5.0 | 24 | 0.1 | 1.6 | * 2.0 | * 3.0 |
| 04 | 64 | 8.4 | 6.2 | | | 54 | 6.7 | 4.7 | | | 40 | 7.1 | 8.0 | | | 24 | | | * 2.5 | * 3.0 |
| 05 | 58 | 10.0 | 4.5 | | | 54 | 6.0 | 4.9 | * 5.5 | * 8.5 | 40 | 2.0 | 8.4 | | | 24 | | | | |
| 06 | 50 | 8.7 | 8.0 | | | 50 | 8.0 | 10.0 | | | 42 | 4.0 | 2.0 | * 5.0 | * 7.5 | 24 | | | * 2.5 | * 3.0 |
| 07 | 44 | 10.9 | 4.9 | * 8.0 | *11.0 | 47 | 7.0 | 11.0 | | | 40 | 4.3 | 2.8 | * 4.0 | * 6.5 | 24 | 0.9 | 2.0 | | |
| 08 | 42 | 8.0 | 6.0 | | | 42 | 8.0 | 8.3 | | | 38 | 7.0 | 6.0 | | | 24 | 0.3 | 2.0 | * 1.5 | * 3.0 |
| 09 | 40 | 12.0 | 8.1 | | | * 35 | | | | | * 38 | | | | | * 24 | | | | |
| 10 | 38 | 14.4 | 2.2 | | | 36 | 8.3 | 4.8 | | | * 40 | | | | | * 24 | | | * 6.5 | * 9.0 |
| 11 | 38 | 13.0 | 0.0 | | | 35 | 11.1 | 5.1 | *10.5 | *13.5 | 32 | 12.2 | 5.6 | *14.0 | *17.0 | 24 | | | * 2.5 | * 4.5 |
| 12 | 40 | 6.5 | 4.0 | * 9.5 | *13.0 | 36 | 10.7 | 6.7 | *14.0 | *15.0 | 32 | 6.0 | 2.0 | * 3.5 | * 6.0 | 24 | 2.0 | 2.0 | * 2.0 | * 4.0 |
| 13 | 42 | 14.7 | 7.4 | *10.5 | *13.5 | 36 | 8.2 | 10.2 | *12.8 | *16.0 | 36 | 4.6 | 4.2 | * 4.0 | * 6.8 | 24 | 3.3 | 1.3 | * 4.8 | * 7.0 |
| 14 | 42 | 20.3 | 4.0 | * 7.0 | *11.0 | 36 | 14.3 | 6.2 | *13.0 | *15.5 | 40 | 2.1 | 4.3 | *14.5 | *17.5 | 24 | 2.0 | 0.0 | * 8.5 | *11.0 |
| 15 | 50 | 15.1 | 11.1 | *12.0 | *15.5 | 44 | 9.1 | 9.1 | * 5.5 | * 8.5 | 42 | 2.3 | 2.3 | * 4.5 | * 7.5 | 26 | 2.0 | 2.0 | * 2.3 | * 4.5 |
| 16 | 50 | 12.3 | 10.3 | * 7.0 | *10.0 | 46 | 10.9 | 10.0 | * 7.0 | *10.5 | 44 | 6.0 | 2.0 | * 5.0 | * 8.0 | 26 | 6.1 | 2.0 | * 2.5 | * 4.5 |
| 17 | 50 | 16.5 | 5.0 | * 9.0 | *16.5 | 50 | 9.9 | 4.6 | * 5.0 | * 8.8 | * 46 | | | | | 26 | 6.0 | 2.0 | * 3.3 | * 5.3 |
| 18 | 56 | 12.2 | 13.7 | * 7.5 | *10.5 | 56 | 4.0 | 4.0 | * 7.5 | * 9.0 | 48 | 3.6 | 5.7 | * 3.8 | * 6.5 | 26 | 6.0 | 2.0 | * 3.0 | * 5.0 |
| 19 | 60 | 10.6 | 4.0 | *10.0 | *13.8 | 56 | 8.0 | 2.7 | * 5.3 | * 9.0 | 50 | 5.1 | 6.0 | * 5.5 | * 6.5 | 26 | 6.0 | 2.0 | * 2.3 | * 4.3 |
| 20 | 62 | 10.7 | 7.4 | * 8.0 | *11.5 | 57 | 5.5 | 4.0 | * 4.5 | * 8.0 | 48 | 4.1 | 2.1 | * 4.0 | * 6.3 | 26 | 2.0 | 2.0 | * 2.5 | * 3.0 |
| 21 | 64 | 6.3 | 8.0 | * 5.0 | * 9.0 | 58 | 4.0 | 16.0 | * 5.5 | *10.0 | 46 | 12.4 | 4.0 | * 7.0 | * 9.8 | 24 | 2.0 | 0.0 | * 1.5 | * 2.0 |
| 22 | 64 | 8.0 | 6.0 | * 6.3 | *10.5 | 58 | 4.7 | 6.0 | * 4.5 | * 7.5 | 44 | 13.9 | 3.5 | * 5.5 | * 6.0 | 24 | 2.0 | 0.9 | * 1.8 | * 2.3 |
| 23 | 64 | 8.0 | 4.3 | * 4.0 | * 7.0 | 58 | 4.7 | 8.0 | | | 44 | 6.2 | 5.1 | * 3.0 | * 4.0 | 24 | 2.0 | 0.0 | * 1.0 | * 2.0 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION PRETORIA, S. AFR. LAT. 25.8 S LONG. 28.3 E JUNE 1964

| HR. LST | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 157 | 6.0 | 4.0 | | | 126 | 9.0 | 5.9 | | | 104 | 11.0 | 7.0 | | | 91 | 10.0 | 11.1 | | |
| 01 | 157 | 4.9 | 4.0 | | | 126 | 9.0 | 5.9 | | | 103 | 11.1 | 6.0 | | | 90 | 9.9 | 9.9 | | |
| 02 | 157 | 4.0 | 3.4 | | | 125 | 10.0 | 4.9 | | | 103 | 10.9 | 6.9 | | | 89 | 11.3 | 11.8 | | |
| 03 | 157 | 4.9 | 2.4 | | | 127 | 8.0 | 8.0 | | | 103 | 13.1 | 7.1 | | | 89 | 11.1 | 14.2 | | |
| 04 | 156 | 7.0 | 3.0 | | | 127 | 9.1 | 7.1 | | | 104 | 11.2 | 10.1 | | | 87 | 10.0 | 13.1 | | |
| 05 | 157 | 6.0 | 3.5 | | | 125 | 10.2 | 5.1 | | | 103 | 10.2 | 10.0 | | | 87 | 11.3 | 11.3 | | |
| 06 | 157 | 4.0 | 4.0 | | | 123 | 8.2 | 6.0 | | | 93 | 9.1 | 8.0 | | | 67 | 10.7 | 4.0 | | |
| 07 | 155 | 4.6 | 2.6 | | | 118 | 10.3 | 9.0 | | | 80 | 18.2 | 6.1 | | | 61 | 6.1 | 3.7 | | |
| 08 | 153 | 6.3 | 4.1 | | | 117 | 11.5 | 13.9 | | | 81 | 19.6 | 4.2 | | | * 64 | | | | |
| 09 | 153 | 7.7 | 4.0 | | | 113 | 15.1 | 10.0 | | | 82 | 17.9 | 9.0 | | | 63 | 4.0 | 5.1 | | |
| 10 | 151 | 8.9 | 2.4 | | | 113 | 14.0 | 10.0 | | | 82 | 17.9 | 9.0 | | | 65 | 2.0 | 9.1 | | |
| 11 | 153 | 6.0 | 4.4 | | | 114 | 13.0 | 11.0 | | | 81 | 18.9 | 6.9 | | | 62 | 5.0 | 5.9 | | |
| 12 | 153 | 8.0 | 2.0 | | | 117 | 10.9 | 12.0 | | | 82 | 17.9 | 9.9 | | | 61 | 8.2 | 4.0 | | |
| 13 | 155 | 7.1 | 4.0 | | | 117 | 11.1 | 10.0 | | | 83 | 17.1 | 9.1 | | | 61 | 5.3 | 3.3 | | |
| 14 | 157 | 4.0 | 4.0 | | | 121 | 9.8 | 10.9 | | | 85 | 14.9 | 10.9 | | | 61 | 8.0 | 2.0 | | |
| 15 | 159 | 2.9 | 6.0 | | | 121 | 8.0 | 10.0 | | | 84 | 18.8 | 11.0 | | | 63 | 2.9 | 4.9 | | |
| 16 | 159 | 2.0 | 4.7 | | | 120 | 8.8 | 9.9 | | | 81 | 18.2 | 8.0 | | | 65 | 10.9 | 6.0 | | |
| 17 | 157 | 4.0 | 3.4 | | | 117 | 11.4 | 6.7 | | | 93 | 12.7 | 16.0 | | | 75 | 19.8 | 10.0 | | |
| 18 | 157 | 6.0 | 2.7 | | | 123 | 8.7 | 8.0 | | | 97 | 11.4 | 10.0 | | | 85 | 12.0 | 12.0 | | |
| 19 | 159 | 6.0 | 2.7 | | | 125 | 10.0 | 8.7 | | | 101 | 10.7 | 8.0 | | | 87 | 10.0 | 6.0 | | |
| 20 | 161 | 4.0 | 4.7 | | | 125 | 10.7 | 5.4 | | | 101 | 11.4 | 6.0 | | | 91 | 8.7 | 8.0 | | |
| 21 | 159 | 6.0 | 2.7 | | | 127 | 10.0 | 8.0 | | | 105 | 10.7 | 8.7 | | | 91 | 10.0 | 8.0 | | |
| 22 | 157 | 8.0 | 2.0 | | | 125 | 12.0 | 6.0 | | | 105 | 10.7 | 8.7 | | | 91 | 9.4 | 6.7 | | |
| 23 | 157 | 6.9 | 4.0 | | | 125 | 10.7 | 4.7 | | | 107 | 8.7 | 10.0 | | | 91 | 9.1 | 11.1 | | |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | * 56 | | | | | * 55 | | | | | * 32 | | | | | * 20 | | | | |
| 01 | * 59 | | | | | * 59 | | | | | * 31 | | | | | * 20 | | | | |
| 02 | * 59 | | | | | * 56 | | | | | * 31 | | | | | * 21 | | | | |
| 03 | * 55 | | | | | * 58 | | | | | * 31 | | | | | * 20 | | | | |
| 04 | * 59 | | | | | * 56 | | | | | * 31 | | | | | * 20 | | | | |
| 05 | * 55 | | | | | * 57 | | | | | * 31 | | | | | * 19 | | | | |
| 06 | * 49 | | | | | * 53 | | | | | * 32 | | | | | * 19 | | | | |
| 07 | * 39 | | | | | * 49 | | | | | * 38 | | | | | * 19 | | | | |
| 08 | * 39 | | | | | * 43 | | | | | * 35 | | | | | * 19 | | | | |
| 09 | * 41 | | | | | * 45 | | | | | * 33 | | | | | * 19 | | | | |
| 10 | * 38 | | | | | * 43 | | | | | * 34 | | | | | * 19 | | | | |
| 11 | * 37 | | | | | * 35 | | | | | * 35 | | | | | * 19 | | | | |
| 12 | * 37 | | | | | * 37 | | | | | * 35 | | | | | * 19 | | | | |
| 13 | * 37 | | | | | * 36 | | | | | * 36 | | | | | * 19 | | | | |
| 14 | * 38 | | | | | * 36 | | | | | * 39 | | | | | * 21 | | | | |
| 15 | * 37 | | | | | * 42 | | | | | * 41 | | | | | * 21 | | | | |
| 16 | * 39 | | | | | * 49 | | | | | * 41 | | | | | * 21 | | | | |
| 17 | * 49 | | | | | * 53 | | | | | * 40 | | | | | * 21 | | | | |
| 18 | * 57 | | | | | * 59 | | | | | * 45 | | | | | * 21 | | | | |
| 19 | * 57 | | | | | * 57 | | | | | * 37 | | | | | * 23 | | | | |
| 20 | * 63 | | | | | * 55 | | | | | * 39 | | | | | * 21 | | | | |
| 21 | * 61 | | | | | * 59 | | | | | * 34 | | | | | * 19 | | | | |
| 22 | * 59 | | | | | * 59 | | | | | * 33 | | | | | * 19 | | | | |
| 23 | * 57 | | | | | * 56 | | | | | * 31 | | | | | * 19 | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION PRETORIA, S. AFR. LAT. 25.8 S LONG. 28.3 E JULY 1964

| HR. LST | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 156 | 5.7 | 2.0 | | | 124 | 8.6 | 4.0 | | | 104 | 8.3 | 7.1 | | | 94 | 9.9 | 13.0 | | |
| 01 | 156 | 4.3 | 2.0 | | | 124 | 11.3 | 4.1 | | | 102 | 11.2 | 5.1 | | | 94 | 9.9 | 10.0 | | |
| 02 | 158 | 2.1 | 4.1 | | | 124 | 12.8 | 4.1 | | | 104 | 8.2 | 6.0 | | | 93 | 9.1 | 7.5 | | |
| 03 | 156 | 4.0 | 2.1 | | | 124 | 10.1 | 4.0 | | | 104 | 9.3 | 8.0 | | | 93 | 8.1 | 10.1 | | |
| 04 | 156 | 4.3 | 2.1 | | | 124 | 9.1 | 5.1 | | | 103 | 10.3 | 9.0 | | | 92 | 10.6 | 8.0 | | |
| 05 | 156 | 6.0 | 5.5 | | | 124 | 11.5 | 4.0 | | | 100 | 11.3 | 8.0 | | | 88 | 13.4 | 15.1 | | |
| 06 | 156 | 6.0 | 3.9 | | | 120 | 11.4 | 2.0 | | | 88 | 10.2 | 5.1 | | | 70 | 6.4 | 6.9 | | |
| 07 | 154 | 8.0 | 4.0 | | | 118 | 12.0 | 4.0 | | | 84 | 11.2 | 8.0 | | | 68 | 5.1 | 5.1 | | |
| 08 | 153 | 5.0 | 7.5 | | | 120 | 9.9 | 8.1 | | | 84 | 14.5 | 6.3 | | | 70 | 4.6 | 4.7 | | |
| 09 | 153 | 10.0 | 5.1 | | | 118 | 12.0 | 8.3 | | | 84 | 14.0 | 6.0 | | | 70 | 4.0 | 4.9 | | |
| 10 | 152 | 10.5 | 6.5 | | | 116 | 15.0 | 6.0 | | | 84 | 13.5 | 6.0 | | | 68 | 4.1 | 3.1 | | |
| 11 | 150 | 10.2 | 4.0 | | | 118 | 11.5 | 7.5 | | | 86 | 9.3 | 6.0 | | | 70 | 3.5 | 5.7 | | |
| 12 | 152 | 9.7 | 4.1 | | | 120 | 10.0 | 7.5 | | | 84 | 15.2 | 5.1 | | | 68 | 6.0 | 3.0 | | |
| 13 | 154 | 8.0 | 6.3 | | | 120 | 9.1 | 6.0 | | | 86 | 14.2 | 6.0 | | | 70 | 3.3 | 4.6 | | |
| 14 | 156 | 7.1 | 5.1 | | | 118 | 12.0 | 4.0 | | | 84 | 14.0 | 6.0 | | | 68 | 5.1 | 4.0 | | |
| 15 | 158 | 4.0 | 6.0 | | | 118 | 9.8 | 2.0 | | | 84 | 12.0 | 6.0 | | | 68 | 6.2 | 3.1 | | |
| 16 | 158 | 4.0 | 9.0 | | | 118 | 9.2 | 4.0 | | | 84 | 11.1 | 6.0 | | | 69 | 5.0 | 3.6 | | |
| 17 | 156 | 4.5 | 5.0 | | | 118 | 8.2 | 4.0 | | | 84 | 19.3 | 2.0 | | | 75 | 18.5 | 6.1 | | |
| 18 | 158 | 4.0 | 12.3 | | | 120 | 9.2 | 4.0 | | | 92 | 14.0 | 5.3 | | | 86 | 11.3 | 5.3 | | |
| 19 | 159 | 4.9 | 3.8 | | | 124 | 9.3 | 4.6 | | | 98 | 11.3 | 6.0 | | | 92 | 10.0 | 6.6 | | |
| 20 | 160 | 4.0 | 2.7 | | | 124 | 9.7 | 4.1 | | | 100 | 8.1 | 5.7 | | | 94 | 7.9 | 12.5 | | |
| 21 | 158 | 3.9 | 2.0 | | | 124 | 10.0 | 6.0 | | | 101 | 8.7 | 5.0 | | | 94 | 9.5 | 7.5 | | |
| 22 | 158 | 4.0 | 2.0 | | | 124 | 10.0 | 4.0 | | | 102 | 11.5 | 5.5 | | | 94 | 9.8 | 19.8 | | |
| 23 | 156 | 4.1 | 2.0 | | | 124 | 9.7 | 6.1 | | | 104 | 7.3 | 8.0 | | | 94 | 12.9 | 18.9 | | |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 69 | 7.6 | 6.1 | | | 64 | 6.3 | 6.0 | | | 33 | 2.0 | 4.1 | | | 24 | 2.0 | 2.0 | | |
| 01 | 69 | 7.9 | 8.0 | | | 64 | 6.2 | 4.2 | | | 31 | 4.0 | 2.0 | | | 24 | 2.0 | 2.0 | | |
| 02 | 67 | 8.0 | 6.0 | | | 64 | 8.2 | 4.2 | | | 31 | 3.9 | 2.1 | | | 24 | 2.0 | 2.0 | | |
| 03 | 67 | 8.4 | 5.7 | | | 65 | 5.5 | 6.0 | | | 31 | 2.1 | 2.0 | | | 24 | | | | |
| 04 | 66 | 10.7 | 5.0 | | | 64 | 6.3 | 6.0 | | | 31 | 2.0 | 4.0 | | | 24 | 0.1 | 2.1 | | |
| 05 | 65 | 11.7 | 6.0 | | | 64 | 7.5 | 7.5 | | | 31 | | | | | 22 | 2.0 | 2.0 | | |
| 06 | 63 | 11.9 | 8.1 | | | 62 | 7.7 | 4.3 | | | 31 | 4.0 | 4.1 | | | 22 | 2.0 | 1.9 | | |
| 07 | 54 | 5.6 | 3.2 | | | 60 | 10.0 | 10.0 | | | 33 | 6.0 | 2.1 | | | 22 | 2.0 | 1.5 | | |
| 08 | 53 | 2.3 | 4.3 | | | 54 | 10.2 | 8.0 | | | * 33 | | | | | * 24 | | | | |
| 09 | 53 | 3.1 | 4.0 | | | 54 | 6.6 | 10.0 | | | 31 | 6.0 | 3.2 | | | 24 | 2.0 | 2.0 | | |
| 10 | 52 | 3.2 | 4.9 | | | 52 | 8.9 | 4.9 | | | 29 | 8.3 | 2.0 | | | 24 | 2.0 | 2.0 | | |
| 11 | 52 | 3.0 | 3.2 | | | 50 | 10.3 | 5.1 | | | 30 | 9.1 | 3.0 | | | 24 | 4.0 | 2.0 | | |
| 12 | 51 | 3.7 | 2.1 | | | 50 | 6.0 | 4.0 | | | 31 | 10.2 | 4.0 | | | 24 | 2.0 | 2.0 | | |
| 13 | 51 | 4.0 | 2.0 | | | 52 | 6.3 | 8.0 | | | 31 | 10.0 | 2.9 | | | 26 | 2.1 | 3.7 | | |
| 14 | 51 | 4.0 | 4.0 | | | 51 | 7.2 | 6.9 | | | 35 | 7.8 | 6.0 | | | 26 | 2.0 | 2.0 | | |
| 15 | 51 | 6.0 | 2.0 | | | 51 | 11.3 | 5.2 | | | 37 | 11.6 | 4.1 | | | 26 | 2.0 | 2.0 | | |
| 16 | 53 | 8.6 | 4.0 | | | 55 | 12.0 | 7.5 | | | 39 | 6.3 | 4.0 | | | 25 | 3.2 | 1.0 | | |
| 17 | 55 | 15.4 | 4.0 | | | 62 | 10.6 | 10.0 | | | 41 | 12.3 | 4.0 | | | 25 | 3.2 | 1.0 | | |
| 18 | 64 | 9.1 | 6.9 | | | 66 | 8.7 | 4.7 | | | 41 | 6.8 | 6.0 | | | 26 | 2.0 | 2.0 | | |
| 19 | 67 | 9.8 | 6.2 | | | 68 | 4.3 | 6.3 | | | 39 | 11.2 | 4.0 | | | 26 | 2.2 | 2.0 | | |
| 20 | 69 | 7.4 | 6.0 | | | 65 | 9.9 | 5.9 | | | 37 | 4.1 | 4.2 | | | 24 | 4.0 | 2.0 | | |
| 21 | 69 | 6.3 | 4.3 | | | 66 | 2.6 | 6.6 | | | 35 | 4.0 | 4.0 | | | 24 | 4.0 | 1.7 | | |
| 22 | 69 | 8.1 | 7.9 | | | 65 | 7.0 | 3.5 | | | 35 | 2.1 | 4.0 | | | 24 | 2.2 | 1.9 | | |
| 23 | 69 | 10.0 | 5.4 | | | 66 | 4.0 | 6.0 | | | 33 | 4.2 | 2.2 | | | 24 | 2.0 | 2.0 | | |

* Fewer than 15 days data on power meosurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION PRETORIA, S. AFR. LAT. 25.8 S LONG. 28.3 E AUGUST 1964

| HR. LST | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 155 | 3.3 | 4.0 | | | 129 | 7.5 | 8.0 | | | 106 | 11.1 | 7.3 | | | 95 | 7.5 | 6.0 | | |
| 01 | 153 | 7.0 | 0.0 | | | 130 | 7.6 | 9.0 | | | 106 | 11.9 | 8.0 | | | 93 | 9.5 | 4.0 | | |
| 02 | 155 | 3.5 | 2.0 | | | 129 | 10.4 | 6.0 | | | 106 | 10.6 | 6.0 | | | 93 | 11.8 | 4.0 | | |
| 03 | 155 | 3.3 | 4.0 | | | 129 | 5.5 | 6.0 | | | 104 | 9.8 | 5.3 | | | 92 | 5.0 | 4.3 | | |
| 04 | 155 | 4.0 | 4.0 | | | 127 | 9.3 | 4.1 | | | 102 | 10.0 | 7.5 | | | 91 | 7.7 | 4.0 | | |
| 05 | 155 | 4.0 | 4.0 | | | 127 | 10.4 | 5.5 | | | 100 | 12.4 | 7.6 | | | 89 | 10.0 | 9.5 | | |
| 06 | 155 | 4.1 | 4.0 | | | 123 | 6.1 | 4.1 | | | 92 | 10.0 | 7.5 | | | 67 | 19.5 | 5.5 | | |
| 07 | 153 | 7.7 | 4.0 | | | 118 | 16.3 | 5.1 | | | 92 | 11.0 | 7.5 | | | 65 | 6.0 | 2.1 | | |
| 08 | 151 | 4.0 | 2.0 | | | 114 | 15.9 | 5.1 | | | 92 | 6.6 | 4.6 | | | 65 | 6.5 | 2.0 | | |
| 09 | 151 | 6.2 | 4.0 | | | 116 | 11.5 | 7.5 | | | 91 | 5.1 | 7.1 | | | 67 | 3.3 | 4.0 | | |
| 10 | 149 | 7.5 | 2.0 | | | 115 | 12.0 | 6.0 | | | 92 | 5.3 | 8.0 | | | 67 | 2.1 | 4.0 | | |
| 11 | 151 | 6.0 | 4.1 | | | 117 | 13.9 | 6.1 | | | 90 | 5.3 | 5.3 | | | 67 | 5.9 | 4.1 | | |
| 12 | 152 | 7.0 | 4.6 | | | 119 | 14.0 | 7.5 | | | 90 | 8.6 | 5.3 | | | 67 | 8.2 | 4.0 | | |
| 13 | 155 | 4.0 | 5.7 | | | 121 | 14.3 | 6.0 | | | 92 | 16.6 | 6.1 | | | 67 | 15.9 | 3.7 | | |
| 14 | 157 | 2.3 | 6.0 | | | 123 | 13.5 | 6.1 | | | 90 | 19.5 | 6.0 | | | 66 | 14.4 | 3.0 | | |
| 15 | 159 | 3.7 | 6.0 | | | 123 | 13.5 | 5.5 | | | 90 | 22.0 | 6.0 | | | 67 | 20.3 | 4.0 | | |
| 16 | 158 | 3.1 | 5.0 | | | 123 | 14.0 | 6.1 | | | 92 | 16.2 | 8.0 | | | 65 | 22.5 | 2.0 | | |
| 17 | 157 | 3.3 | 4.0 | | | 121 | 18.4 | 6.0 | | | 92 | 18.4 | 5.5 | | | 70 | 29.5 | 4.9 | | |
| 18 | 155 | 8.1 | 3.7 | | | 123 | 17.8 | 7.9 | | | 96 | 18.2 | 4.1 | | | 85 | 19.0 | 8.0 | | |
| 19 | 157 | 5.6 | 5.6 | | | 129 | 11.5 | 8.0 | | | 100 | 17.5 | 5.5 | | | 92 | 12.3 | 9.6 | | |
| 20 | 157 | 7.0 | 4.0 | | | 131 | 9.0 | 10.0 | | | 104 | 12.0 | 8.0 | | | 95 | 11.9 | 9.5 | | |
| 21 | 156 | 7.6 | 3.0 | | | 129 | 10.6 | 8.0 | | | 106 | 9.3 | 9.3 | | | 95 | 10.6 | 10.0 | | |
| 22 | 155 | 5.3 | 2.0 | | | 130 | 9.0 | 9.0 | | | 106 | 12.6 | 7.3 | | | 96 | 9.6 | 8.3 | | |
| 23 | 155 | 6.0 | 4.0 | | | 130 | 8.3 | 9.0 | | | 108 | 8.6 | 9.3 | | | 95 | 6.3 | 8.0 | | |

| HR. LST | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 66 | 8.4 | 3.5 | | | 53 | 6.0 | 4.0 | | | 35 | 2.0 | 6.5 | | | 27 | 2.0 | 4.0 | | |
| 01 | 65 | 8.8 | 4.3 | | | 53 | 5.1 | 2.0 | | | 33 | 4.2 | 3.9 | | | 27 | 2.0 | 4.3 | | |
| 02 | 65 | 9.8 | 2.9 | | | 53 | 3.9 | 2.5 | | | 31 | 7.4 | 4.0 | | | 25 | 4.0 | 4.0 | | |
| 03 | 65 | 12.6 | 2.0 | | | 54 | 8.3 | 3.5 | | | 33 | 4.0 | 4.2 | | | 25 | 2.0 | 2.3 | | |
| 04 | 65 | 11.4 | 2.7 | | | 55 | 5.5 | 3.5 | | | 31 | 4.0 | 2.0 | | | 25 | 2.0 | 3.9 | | |
| 05 | 63 | 16.0 | 3.1 | | | 53 | 8.0 | 5.4 | | | 31 | 4.0 | 2.0 | | | 25 | 2.0 | 4.0 | | |
| 06 | 59 | 10.0 | 8.0 | | | 49 | 12.0 | 4.7 | | | 35 | 8.0 | 4.0 | | | 24 | 3.0 | 1.5 | | |
| 07 | 51 | 11.5 | 4.9 | | | 47 | 11.1 | 5.1 | | | 35 | 8.7 | 2.7 | | | 25 | 2.0 | 4.0 | | |
| 08 | 47 | 7.9 | 2.1 | | | 41 | 3.1 | 6.3 | | | * 34 | | | | | * 25 | | | | |
| 09 | 49 | 5.1 | 4.0 | | | 38 | 13.0 | 5.0 | | | 33 | 5.7 | 4.0 | | | 25 | 2.0 | 2.0 | | |
| 10 | 49 | 8.0 | 3.5 | | | 37 | 11.5 | 5.5 | | | 31 | 9.3 | 4.0 | | | 27 | | | | |
| 11 | 49 | 8.0 | 4.0 | | | 35 | 9.7 | 2.8 | | | 31 | 5.3 | 4.0 | | | 27 | 2.0 | 3.5 | | |
| 12 | 49 | 2.1 | 4.0 | | | 35 | 11.7 | 3.8 | | | 29 | 11.3 | 4.0 | | | 27 | 2.0 | 2.0 | | |
| 13 | 49 | 6.0 | 3.5 | | | 35 | 16.0 | 4.0 | | | 33 | 10.2 | 6.0 | | | 27 | 2.0 | 2.1 | | |
| 14 | 49 | 7.9 | 3.7 | | | 36 | 20.6 | 3.0 | | | 34 | 11.1 | 3.1 | | | 27 | 2.0 | 2.0 | | |
| 15 | 49 | 9.5 | 4.0 | | | 37 | 22.1 | 3.9 | | | 37 | 8.1 | 3.6 | | | 27 | 2.0 | 2.0 | | |
| 16 | 51 | 12.0 | 5.9 | | | 39 | 23.5 | 2.9 | | | 41 | 5.9 | 4.0 | | | 29 | 0.0 | 4.0 | | |
| 17 | 53 | 14.2 | 5.7 | | | 47 | 16.6 | 6.1 | | | 43 | 6.1 | 4.0 | | | 27 | 2.0 | 2.1 | | |
| 18 | 62 | 17.5 | 11.5 | | | 55 | 10.3 | 10.1 | | | 43 | 6.1 | 3.9 | | | 27 | 2.1 | 2.0 | | |
| 19 | 66 | 11.0 | 7.0 | | | 55 | 10.1 | 6.0 | | | 41 | 9.2 | 4.1 | | | 27 | 2.0 | 3.5 | | |
| 20 | 66 | 11.3 | 8.9 | | | 53 | 8.2 | 6.3 | | | 39 | 6.0 | 6.0 | | | 26 | 1.1 | 3.0 | | |
| 21 | 69 | 8.0 | 8.7 | | | 55 | 8.0 | 8.1 | | | 37 | 9.3 | 6.0 | | | 27 | 1.5 | 4.0 | | |
| 22 | 67 | 13.7 | 4.2 | | | 55 | 7.2 | 4.5 | | | 37 | 10.0 | 5.5 | | | 25 | 3.7 | 3.6 | | |
| 23 | 67 | 6.0 | 4.0 | | | 53 | 6.0 | 7.7 | | | 36 | 5.0 | 5.0 | | | 27 | 2.0 | 4.0 | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logorithmic measurements.

$F_{om}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logorithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION SAO JOSE, BRAZIL LAT. 23.3 S LONG. 45.8 W JUNE 1964

| HR. LOT | FREQUENCY (Mc) .051 | | | | | .113 | | | | | .246 | | | | | .545 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 124 | 10.7 | 5.1 | 9.0 | 16.0 | 108 | 16.0 | 5.5 | * 8.5 | *13.5 | 98 | 11.6 | 6.1 | 8.3 | 16.0 | 85 | 9.0 | 4.6 | 5.5 | 10.3 |
| 01 | 123 | 12.0 | 5.5 | 8.0 | 12.0 | 108 | 13.5 | 4.0 | 10.5 | 16.0 | 96 | 11.3 | 5.6 | * 7.8 | *12.3 | 84 | 10.0 | 4.0 | 6.0 | 9.5 |
| 02 | 124 | 12.3 | 5.0 | 9.5 | 15.0 | 110 | 12.4 | 6.0 | 10.0 | 17.5 | 95 | 11.6 | 6.3 | *10.5 | *17.5 | 84 | 9.3 | 6.0 | * 5.5 | *10.0 |
| 03 | 125 | 11.3 | 6.0 | *10.0 | *17.3 | 109 | 12.3 | 7.0 | *12.0 | *19.0 | 95 | 8.3 | 7.0 | 9.3 | 16.5 | 83 | 7.0 | 5.0 | * 5.5 | * 9.5 |
| 04 | 125 | 10.0 | 6.0 | *11.3 | *18.5 | 109 | 11.0 | 7.0 | 10.3 | 17.3 | 95 | 8.3 | 9.0 | 9.5 | 16.5 | 82 | 7.3 | 4.0 | * 6.0 | *10.0 |
| 05 | 123 | 10.0 | 4.0 | 9.5 | 16.0 | 108 | 10.0 | 8.0 | 10.3 | 17.5 | 92 | 12.0 | 8.0 | 9.5 | 17.0 | 86 | 8.0 | 6.0 | * 9.3 | *14.3 |
| 06 | 123 | 10.0 | 6.0 | * 8.8 | *14.3 | 100 | 16.0 | 7.5 | 11.0 | 17.5 | 78 | 17.3 | 5.3 | * 7.5 | *12.5 | 88 | 5.5 | 5.5 | * 5.3 | *10.3 |
| 07 | 118 | 9.0 | 10.3 | *12.3 | *18.5 | 96 | 13.6 | 9.9 | *11.5 | *18.0 | 78 | 11.6 | 6.0 | *11.0 | *17.5 | 88 | 4.5 | 8.5 | * 4.5 | *10.0 |
| 08 | 113 | 14.6 | 6.0 | *10.8 | *14.5 | 94 | 12.6 | 10.6 | * 9.0 | *12.0 | 78 | 10.0 | 6.0 | * 6.5 | *15.3 | 90 | 2.0 | 6.7 | * 5.0 | *10.0 |
| 09 | 111 | 16.6 | 6.3 | *10.5 | *15.5 | 98 | 12.0 | 10.7 | *12.5 | *17.0 | 78 | 9.2 | 6.0 | * 9.5 | *11.0 | 88 | 2.0 | 9.8 | * 3.0 | * 6.0 |
| 10 | 115 | 17.3 | 11.3 | * 8.0 | *10.5 | 100 | 10.3 | 16.0 | * 8.0 | *12.5 | 78 | 14.0 | 6.1 | *12.0 | *16.0 | 90 | 4.1 | 10.4 | * 5.0 | *10.0 |
| 11 | 115 | 11.7 | 11.6 | 12.0 | 17.5 | 96 | 13.5 | 11.5 | 11.5 | 16.5 | 78 | 14.0 | 4.0 | *10.8 | *19.8 | 88 | 6.0 | 8.4 | * 6.0 | *12.5 |
| 12 | 113 | 14.0 | 9.5 | 11.5 | 16.5 | 96 | 15.0 | 10.0 | *12.5 | *19.5 | 78 | 10.0 | 4.0 | * 9.5 | *16.0 | 90 | 3.5 | 9.5 | * 4.8 | *10.0 |
| 13 | 119 | 10.0 | 12.0 | 10.5 | 14.5 | 98 | 10.5 | 12.3 | 11.3 | 17.3 | 76 | 14.3 | 4.0 | 8.5 | 11.5 | 90 | 4.0 | 8.0 | * 5.8 | * 9.3 |
| 14 | 119 | 10.0 | 12.0 | *10.5 | *15.3 | 98 | 10.7 | 8.0 | 13.5 | 18.5 | 78 | 12.3 | 4.1 | * 9.8 | *13.3 | 90 | 2.0 | 12.3 | * 5.0 | * 8.8 |
| 15 | 119 | 10.0 | 10.3 | *11.5 | *15.5 | 96 | 12.0 | 7.8 | *10.0 | *16.5 | 79 | 9.3 | 5.0 | * 9.0 | *14.5 | 88 | 5.7 | 4.3 | * 5.8 | * 9.5 |
| 16 | 119 | 8.0 | 8.2 | *12.0 | *17.5 | 98 | 12.0 | 7.5 | *10.8 | *16.0 | 80 | 11.0 | 7.0 | *10.0 | *17.0 | 88 | 5.6 | 3.7 | * 5.5 | *10.0 |
| 17 | 117 | 11.7 | 8.1 | 15.0 | 20.0 | 98 | 16.0 | 9.7 | 11.5 | 19.5 | 82 | 14.0 | 5.5 | *14.3 | *23.0 | 86 | 5.3 | 4.0 | * 7.0 | *13.0 |
| 18 | 120 | 11.6 | 10.3 | 12.3 | 19.8 | 104 | 15.3 | 10.0 | 11.8 | 18.8 | 90 | 12.0 | 11.3 | *11.5 | *17.8 | 85 | 5.0 | 6.3 | 6.5 | 12.5 |
| 19 | 121 | 11.5 | 7.5 | 9.8 | 13.8 | 104 | 15.3 | 6.0 | *10.8 | *19.3 | 91 | 12.3 | 7.0 | * 9.5 | *14.8 | 83 | 5.0 | 5.0 | 6.5 | 10.5 |
| 20 | 122 | 12.8 | 6.3 | *11.0 | *16.5 | 106 | 14.6 | 6.0 | 10.5 | 16.3 | 92 | 12.0 | 6.0 | 8.0 | 14.3 | 88 | 4.0 | 4.0 | * 6.5 | *11.3 |
| 21 | 123 | 10.6 | 6.0 | 10.0 | 16.3 | 108 | 12.6 | 8.0 | *11.3 | *18.0 | 94 | 13.3 | 5.3 | 6.5 | 13.0 | 88 | 4.0 | 5.3 | * 5.3 | * 8.8 |
| 22 | 123 | 11.8 | 6.0 | 9.0 | 15.0 | 110 | 12.6 | 8.0 | 9.0 | 15.8 | 96 | 11.5 | 6.0 | * 7.0 | *12.5 | 86 | 8.0 | 4.0 | * 6.0 | * 9.5 |
| 23 | 123 | 11.0 | 6.0 | * 8.5 | *14.8 | 109 | 13.6 | 6.3 | * 8.0 | *15.0 | 96 | 13.5 | 6.0 | 8.0 | 13.0 | 86 | 8.1 | 4.0 | * 6.5 | *10.5 |

| HR. LOT | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 58 | 9.1 | 6.6 | 4.8 | 7.0 | 61 | 15.5 | 16.0 | * 4.3 | * 7.0 | 34 | 9.2 | 4.0 | * 3.0 | * 6.5 | 22 | 2.0 | 0.0 | | |
| 01 | 57 | 10.0 | 5.5 | * 4.0 | * 5.0 | 47 | 7.5 | 5.5 | 4.8 | 6.5 | 34 | 7.5 | 4.0 | * 3.5 | * 6.5 | 22 | 2.0 | 0.0 | * 3.3 | * 4.8 |
| 02 | 57 | 9.3 | 6.0 | 5.0 | 8.5 | 47 | 6.0 | 5.5 | 4.5 | 7.3 | 34 | 7.3 | 4.0 | 3.5 | 6.0 | 24 | 1.6 | 2.0 | * 2.0 | * 4.0 |
| 03 | 57 | 11.1 | 6.0 | 5.5 | 9.0 | 45 | 10.0 | 3.3 | 3.5 | 5.5 | 32 | 4.0 | 2.0 | * 4.5 | * 5.5 | 24 | 2.0 | 2.0 | * 2.0 | * 5.3 |
| 04 | 56 | 9.6 | 5.0 | 5.0 | 8.0 | 43 | 6.0 | 4.0 | 4.5 | 7.8 | 32 | 3.3 | 3.3 | * 3.0 | * 4.5 | 24 | 1.6 | 2.0 | * 2.0 | * 5.5 |
| 05 | 54 | 12.3 | 7.0 | 5.0 | 7.5 | 41 | 9.5 | 4.0 | 5.3 | 9.8 | 30 | 2.6 | 2.0 | * 1.5 | * 2.0 | 24 | 0.6 | 2.0 | * 2.5 | * 5.5 |
| 06 | 53 | 10.0 | 7.3 | * 3.5 | * 6.0 | 44 | 21.1 | 4.7 | * 4.5 | * 6.0 | 32 | 7.3 | 4.0 | * 3.5 | * 4.5 | 22 | 2.6 | 0.0 | * 3.0 | * 5.0 |
| 07 | 45 | 13.0 | 5.5 | * 3.5 | * 4.5 | 66 | 5.1 | 11.4 | * 7.0 | *11.5 | 36 | 8.3 | 5.7 | * 5.8 | * 7.5 | 24 | 0.1 | 2.0 | * 3.0 | * 6.0 |
| 08 | 41 | 10.3 | 6.3 | * 4.3 | * 7.0 | 60 | 5.0 | 14.0 | * 6.0 | * 9.5 | 34 | 14.4 | 4.0 | * 4.3 | * 6.5 | 22 | 2.0 | 0.7 | | |
| 09 | 36 | 11.5 | 7.5 | * 3.0 | * 5.5 | 53 | 6.0 | 12.2 | * 7.0 | *11.5 | 32 | 10.2 | 4.0 | | | 22 | 2.0 | 1.3 | | |
| 10 | 37 | 10.0 | 5.3 | * 7.8 | *12.0 | 49 | 4.0 | 13.0 | * 4.5 | *10.0 | 34 | 10.3 | 6.3 | 6.0 | 10.5 | 22 | 2.2 | 2.2 | * 4.3 | * 5.8 |
| 11 | 33 | 7.9 | 4.0 | * 5.8 | * 9.0 | 47 | 5.9 | 14.5 | * 7.5 | *12.5 | 34 | 9.6 | 6.0 | * 4.3 | * 6.3 | 24 | 7.6 | 3.9 | * 4.5 | * 6.0 |
| 12 | 33 | 5.9 | 6.3 | * 4.0 | * 5.3 | 45 | 4.2 | 11.3 | * 9.0 | *16.0 | 34 | 8.1 | 7.6 | * 6.3 | * 9.5 | 23 | 6.6 | 1.1 | * 3.0 | * 4.8 |
| 13 | 33 | 4.6 | 6.1 | * 5.0 | * 7.0 | 49 | 6.0 | 6.5 | * 5.8 | * 9.5 | 34 | 10.5 | 6.0 | * 6.5 | * 8.0 | 26 | 4.0 | 4.0 | * 3.5 | * 6.0 |
| 14 | 33 | 6.0 | 4.5 | * 4.3 | * 4.8 | 51 | 4.0 | 17.3 | | | 38 | 10.0 | 6.3 | * 6.0 | * 8.5 | 26 | 10.6 | 4.0 | * 3.5 | * 4.3 |
| 15 | 37 | 4.6 | 6.0 | * 5.0 | * 5.0 | 51 | 8.0 | 12.8 | * 5.0 | * 9.0 | 40 | 6.0 | 6.0 | * 6.3 | * 8.0 | 26 | 16.0 | 4.0 | * 4.0 | * 5.8 |
| 16 | 45 | 4.0 | 10.3 | * 6.8 | *10.8 | 59 | 6.0 | 8.1 | * 6.0 | *10.5 | 40 | 8.0 | 5.5 | * 3.3 | * 4.0 | 27 | 10.7 | 5.1 | * 3.0 | * 7.0 |
| 17 | 47 | 8.0 | 6.1 | * 5.5 | * 7.0 | 63 | 7.7 | 10.2 | * 7.0 | *10.5 | 39 | 11.1 | 5.0 | 3.5 | 4.5 | 24 | 5.3 | 3.3 | * 3.0 | * 3.5 |
| 18 | 54 | 8.3 | 7.0 | 3.5 | 4.0 | 68 | 5.0 | 11.6 | * 6.0 | *10.5 | 40 | 13.3 | 6.0 | 3.0 | 4.0 | 22 | 4.6 | 1.3 | * 2.5 | * 3.3 |
| 19 | 56 | 8.3 | 7.0 | 4.5 | 8.0 | 63 | 8.0 | 8.0 | 3.5 | 6.3 | 38 | 17.1 | 5.3 | * 3.0 | * 4.0 | 22 | 4.0 | 0.0 | * 2.0 | * 2.5 |
| 20 | 57 | 8.6 | 5.3 | 4.0 | 5.8 | 67 | 4.0 | 14.0 | * 6.8 | *10.8 | 37 | 15.6 | 6.1 | 2.5 | 3.3 | 23 | 3.0 | 1.0 | * 2.5 | * 3.0 |
| 21 | 57 | 10.0 | 4.0 | 5.3 | 7.0 | 63 | 6.0 | 11.5 | * 6.3 | *10.3 | 38 | 13.8 | 7.3 | 3.5 | 5.0 | 22 | 3.6 | 0.0 | * 2.5 | * 3.0 |
| 22 | 57 | 10.0 | 5.3 | 4.8 | 6.5 | 64 | 9.0 | 13.0 | * 6.0 | * 9.0 | 36 | 12.4 | 5.5 | 3.0 | 4.5 | 22 | 2.7 | 0.0 | * 2.5 | * 3.0 |
| 23 | 57 | 10.0 | 5.5 | 4.5 | 6.0 | 59 | 13.5 | 15.0 | * 4.5 | * 7.5 | 34 | 12.4 | 4.0 | * 3.0 | * 4.0 | 22 | 3.7 | 0.0 | * 2.5 | * 3.0 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION SAO JOSE, BRAZIL LAT. 23.3 S LONG. 45.8 W JULY 1964

| HR. LST | FREQUENCY (Mc) .051 | | | | | .113 | | | | | .246 | | | | | .545 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 121 | 12.0 | 6.0 | 7.5 | 12.0 | 108 | 10.2 | 6.0 | 6.0 | 10.0 | 96 | 9.3 | 8.0 | 6.0 | 10.3 | 85 | 8.9 | 5.3 | * 4.0 | * 7.5 |
| 01 | 120 | 13.0 | 6.3 | 7.5 | 11.5 | 108 | 12.0 | 6.0 | 6.5 | 10.5 | 96 | 9.1 | 7.1 | 6.5 | 11.0 | 85 | 8.0 | 6.0 | 5.0 | 8.8 |
| 02 | 121 | 12.0 | 6.0 | 8.0 | 12.5 | 106 | 14.0 | 6.0 | 6.0 | 9.8 | 96 | 11.1 | 7.1 | 6.3 | 11.3 | 83 | 13.1 | 4.0 | 4.5 | 8.0 |
| 03 | 119 | 14.0 | 5.1 | 7.8 | 12.8 | 106 | 13.1 | 7.1 | 6.5 | 10.0 | 92 | 12.0 | 6.0 | 6.8 | 12.5 | 83 | 10.5 | 5.1 | 5.3 | 9.0 |
| 04 | 119 | 14.0 | 5.1 | 8.0 | 12.0 | 102 | 18.0 | 3.1 | 6.5 | 10.8 | 92 | 10.0 | 8.0 | 6.5 | 12.0 | 82 | 11.6 | 4.3 | * 5.8 | * 9.8 |
| 05 | 119 | 14.0 | 4.0 | 9.0 | 13.5 | 104 | 14.0 | 6.0 | 7.0 | 11.0 | 90 | 12.2 | 7.1 | 7.3 | 12.0 | 87 | 7.5 | 8.0 | 5.0 | 10.5 |
| 06 | 117 | 16.0 | 4.0 | 8.0 | 13.5 | 100 | 15.1 | 10.0 | 6.5 | 9.5 | 79 | 11.6 | 6.3 | * 7.8 | *11.8 | 89 | 2.0 | 6.0 | 4.5 | 9.0 |
| 07 | 111 | 15.2 | 4.0 | 5.0 | 7.0 | 90 | 17.1 | 8.0 | * 1.8 | * 3.0 | 76 | 8.0 | 4.0 | 5.3 | 7.5 | 88 | 5.0 | 7.0 | * 5.5 | * 9.5 |
| 08 | 109 | 16.6 | 4.0 | 3.5 | 5.5 | 93 | 14.3 | 9.0 | * 3.3 | * 5.8 | 78 | 5.1 | 5.1 | * 8.5 | *14.5 | 89 | 3.5 | 5.5 | * 4.8 | *10.5 |
| 09 | 113 | 10.1 | 6.0 | * 2.3 | * 4.3 | 94 | 8.6 | 8.6 | * 4.0 | * 6.5 | 78 | 4.2 | 5.6 | 7.5 | 10.5 | 87 | 5.7 | 5.7 | * 5.5 | *10.5 |
| 10 | 112 | 18.5 | 4.9 | 2.8 | 5.3 | 90 | 17.9 | 7.6 | 4.3 | 6.0 | 78 | 6.1 | 4.0 | * 5.3 | * 7.8 | 89 | 4.0 | 3.7 | * 6.5 | *11.5 |
| 11 | 113 | 13.4 | 9.0 | 2.5 | 4.5 | 90 | 19.9 | 4.2 | * 4.0 | * 6.8 | 78 | 8.3 | 4.0 | * 6.8 | * 9.0 | 88 | 5.0 | 5.2 | * 6.8 | *13.5 |
| 12 | 113 | 16.6 | 10.6 | 4.0 | 7.0 | 89 | 18.2 | 5.0 | 2.0 | 4.0 | 76 | 9.5 | 2.0 | 7.5 | 11.3 | 88 | 3.0 | 6.8 | * 5.0 | *10.5 |
| 13 | 113 | 19.6 | 4.1 | 4.5 | 7.8 | 92 | 16.0 | 6.0 | 4.5 | 6.0 | 76 | 9.0 | 2.0 | * 8.0 | *10.3 | 89 | 3.5 | 7.5 | * 7.0 | *12.5 |
| 14 | 114 | 15.3 | 5.0 | 3.5 | 5.0 | 96 | 12.6 | 8.3 | 5.3 | 8.3 | 76 | 11.5 | 2.0 | 8.8 | 11.8 | 87 | 4.0 | 6.0 | * 4.0 | * 8.5 |
| 15 | 117 | 14.0 | 8.0 | 2.5 | 5.0 | 98 | 12.3 | 12.1 | 5.0 | 8.5 | 78 | 13.1 | 6.0 | 6.8 | 10.0 | 88 | 5.2 | 4.8 | * 5.0 | *10.0 |
| 16 | 119 | 12.1 | 10.1 | 3.0 | 5.3 | 100 | 17.5 | 11.7 | * 5.0 | * 7.0 | 78 | 10.3 | 4.0 | * 8.5 | *12.0 | 87 | 4.0 | 2.3 | * 4.3 | * 9.5 |
| 17 | 117 | 15.7 | 10.1 | 7.5 | 9.5 | 98 | 15.4 | 9.7 | 3.0 | 4.0 | 84 | 12.7 | 10.0 | 9.0 | 14.0 | 85 | 4.5 | 4.5 | * 5.5 | * 9.0 |
| 18 | 120 | 9.1 | 11.1 | 5.0 | 7.0 | 103 | 14.6 | 13.0 | 9.0 | 12.8 | 88 | 15.3 | 10.1 | 7.8 | 13.5 | 85 | 5.7 | 6.1 | 5.0 | 8.8 |
| 19 | 120 | 11.1 | 10.7 | 6.5 | 9.5 | 104 | 16.0 | 7.7 | 7.0 | 12.3 | 90 | 15.9 | 6.2 | 7.8 | 13.0 | 84 | 5.0 | 5.2 | 5.3 | 8.5 |
| 20 | 117 | 13.9 | 6.1 | 6.0 | 8.5 | 107 | 10.9 | 10.9 | 6.5 | 9.0 | 92 | 8.3 | 4.1 | 6.8 | 11.5 | 87 | 4.0 | 6.0 | 5.5 | 9.5 |
| 21 | 119 | 12.1 | 9.6 | 6.5 | 9.8 | 106 | 13.0 | 7.5 | 6.5 | 9.5 | 92 | 12.0 | 4.0 | 7.5 | 11.0 | 87 | 5.1 | 7.1 | 4.0 | 8.0 |
| 22 | 119 | 12.0 | 6.0 | 7.0 | 10.8 | 106 | 11.1 | 6.0 | 7.0 | 10.5 | 94 | 13.0 | 5.5 | 6.5 | 11.8 | 85 | 8.0 | 4.0 | 5.0 | 9.0 |
| 23 | 119 | 11.1 | 5.1 | 7.5 | 11.5 | 108 | 10.2 | 6.0 | 6.0 | 10.0 | 96 | 10.2 | 7.1 | 6.5 | 10.8 | 87 | 7.1 | 6.0 | * 5.8 | *10.0 |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 60 | 5.5 | 8.0 | 6.0 | 9.0 | 65 | 8.0 | 22.0 | * 5.5 | *10.3 | 37 | 6.0 | 9.3 | 3.0 | 5.5 | 23 | 2.5 | 1.5 | 2.0 | 3.5 |
| 01 | 58 | 10.4 | 6.0 | 6.8 | 12.3 | 45 | 10.6 | 6.0 | 5.0 | 8.5 | 35 | 7.1 | 6.0 | 3.3 | 5.0 | 24 | 2.0 | 2.0 | 1.5 | 2.5 |
| 02 | 56 | 11.7 | 4.1 | 7.0 | 12.3 | 45 | 10.4 | 4.0 | 4.3 | 7.5 | 35 | 4.0 | 5.3 | 3.0 | 5.5 | 24 | 2.0 | 2.0 | 1.5 | 3.3 |
| 03 | 56 | 9.3 | 7.3 | 5.5 | 10.0 | 45 | 10.0 | 6.0 | 6.0 | 9.5 | 31 | 7.1 | 2.0 | 2.5 | 4.5 | 24 | 2.0 | 2.0 | 2.3 | 3.8 |
| 04 | 54 | 11.3 | 5.3 | 5.5 | 11.0 | 43 | 10.0 | 6.0 | 4.0 | 7.5 | 31 | 5.1 | 4.2 | 2.5 | 4.5 | 22 | 4.0 | 1.3 | 2.5 | 4.0 |
| 05 | 54 | 11.5 | 7.5 | 5.0 | 8.5 | 43 | 13.8 | 11.7 | 4.0 | 7.0 | 30 | 1.0 | 6.3 | 2.5 | 4.0 | 22 | 4.0 | 2.0 | 2.0 | 4.0 |
| 06 | 52 | 13.3 | 6.6 | 7.0 | 10.5 | 45 | 15.0 | 8.0 | 4.0 | 7.5 | 31 | 1.3 | 5.3 | 3.3 | 5.0 | 22 | 3.6 | 2.0 | 2.0 | 2.8 |
| 07 | 50 | 9.3 | 11.3 | 4.5 | 8.5 | 65 | 3.5 | 18.9 | 7.0 | 14.0 | 31 | 8.0 | 3.5 | 4.0 | 6.0 | 22 | 4.0 | 2.0 | 1.5 | 2.5 |
| 08 | 41 | 10.7 | 9.0 | * 5.5 | * 8.8 | 57 | 5.3 | 13.1 | * 6.0 | *10.8 | 31 | 9.3 | 4.0 | 4.0 | 5.3 | 23 | 0.6 | 3.5 | 2.3 | 4.0 |
| 09 | 38 | 4.1 | 9.6 | * 5.8 | * 9.0 | 55 | 4.0 | 13.2 | * 5.5 | *10.5 | 33 | 11.2 | 8.1 | * 7.0 | *11.3 | 24 | 2.0 | 4.0 | 2.3 | 3.8 |
| 10 | 36 | 4.3 | 7.9 | 6.5 | 8.0 | 49 | 6.0 | 10.1 | * 7.5 | *13.0 | 33 | 9.7 | 9.5 | * 4.3 | * 7.0 | 22 | 5.5 | 1.7 | 3.5 | 5.5 |
| 11 | 34 | 4.1 | 7.9 | 5.5 | 8.0 | 47 | 5.9 | 15.8 | * 7.8 | *13.8 | 31 | 10.3 | 6.2 | 7.5 | 11.0 | 24 | 3.9 | 4.0 | 3.3 | 5.0 |
| 12 | 34 | 2.3 | 10.0 | 4.8 | 6.3 | 45 | 6.3 | 10.8 | * 7.0 | *12.5 | 32 | 11.0 | 7.0 | 5.3 | 7.3 | 23 | 4.3 | 3.0 | 2.5 | 4.0 |
| 13 | 34 | 5.5 | 5.5 | 5.3 | 7.5 | 47 | 4.0 | 16.9 | * 6.8 | *13.0 | 35 | 8.0 | 9.3 | 6.3 | 9.8 | 24 | 3.5 | 2.0 | 2.3 | 3.8 |
| 14 | 34 | 8.2 | 4.2 | 5.0 | 7.0 | 47 | 6.0 | 9.4 | * 5.5 | *11.0 | 35 | 8.2 | 8.1 | 5.5 | 9.0 | 24 | 4.0 | 2.0 | 2.5 | 4.5 |
| 15 | 36 | 12.5 | 5.6 | 5.0 | 7.5 | 51 | 7.6 | 8.1 | * 7.3 | *12.8 | 39 | 8.0 | 9.5 | * 4.5 | * 7.5 | 26 | 7.8 | 2.0 | 2.3 | 4.0 |
| 16 | 39 | 17.6 | 5.1 | 5.5 | 8.8 | 58 | 3.5 | 15.5 | * 6.5 | *11.0 | 43 | 6.2 | 8.2 | 3.0 | 5.0 | 26 | 2.8 | 2.0 | 2.5 | 4.0 |
| 17 | 48 | 15.6 | 9.9 | 5.5 | 9.5 | 64 | 5.0 | 12.8 | * 5.8 | *10.5 | 51 | 4.2 | 16.1 | 4.0 | 6.8 | 26 | 6.3 | 4.0 | 2.5 | 5.0 |
| 18 | 54 | 12.0 | 10.3 | 5.8 | 9.5 | 65 | 4.0 | 9.7 | * 7.5 | *13.0 | 49 | 6.0 | 14.1 | 2.8 | 5.5 | 24 | 9.6 | 2.0 | 3.0 | 5.0 |
| 19 | 56 | 15.5 | 9.9 | 7.8 | 13.8 | 57 | 8.1 | 11.7 | 5.0 | 10.0 | 43 | 9.9 | 9.7 | 2.5 | 4.5 | 24 | 10.0 | 2.0 | 2.5 | 4.0 |
| 20 | 56 | 13.7 | 9.6 | 4.3 | 8.0 | 64 | 5.0 | 12.1 | * 5.3 | * 9.0 | 39 | 9.9 | 6.1 | 4.0 | 6.5 | 24 | 12.0 | 2.0 | 1.5 | 3.0 |
| 21 | 56 | 10.1 | 6.0 | 6.5 | 9.5 | 61 | 8.0 | 18.0 | 6.0 | 9.8 | 41 | 6.0 | 10.0 | 3.0 | 5.5 | 24 | 11.1 | 2.0 | 1.5 | 3.5 |
| 22 | 56 | 10.0 | 8.0 | 5.3 | 8.8 | 63 | 8.0 | 21.3 | * 4.0 | * 8.0 | 39 | 9.1 | 8.0 | 3.0 | 5.5 | 24 | 10.6 | 2.0 | 1.5 | 3.0 |
| 23 | 56 | 10.0 | 7.1 | 5.3 | 9.0 | 65 | 7.5 | 14.4 | * 5.5 | * 9.5 | 37 | 8.2 | 8.0 | 3.5 | 6.0 | 24 | 2.0 | 2.0 | 2.5 | 3.5 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION SAO JOSE, BRAZIL LAT. 23.3 S LONG. 45.8 W AUGUST 1964

| HR. LST | FREQUENCY (Mc) .051 | | | | | .113 | | | | | .246 | | | | | .545 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 135 | 5.3 | 12.0 | 6.8 | 11.3 | 119 | 8.3 | 15.0 | 5.3 | 10.0 | 104 | 9.0 | 11.0 | 5.0 | 9.8 | 89 | 9.3 | 6.0 | 4.0 | 7.5 |
| 01 | 135 | 6.0 | 12.0 | 7.3 | 12.0 | 118 | 8.0 | 14.0 | 5.5 | 9.5 | 103 | 11.3 | 10.0 | 5.3 | 9.0 | 89 | 9.3 | 7.3 | * 3.5 | * 5.5 |
| 02 | 135 | 6.0 | 12.0 | 6.5 | 11.0 | 120 | 6.0 | 15.5 | 5.5 | 9.5 | 104 | 9.0 | 11.1 | 5.5 | 9.0 | 89 | 9.7 | 6.0 | 4.5 | 8.0 |
| 03 | 133 | 8.1 | 9.7 | 8.3 | 13.0 | 120 | 6.1 | 16.1 | 6.5 | 12.5 | 103 | 9.7 | 11.7 | 5.3 | 9.3 | 87 | 8.3 | 7.7 | 5.0 | 8.5 |
| 04 | 133 | 9.5 | 9.7 | 9.0 | 14.0 | 117 | 8.9 | 15.2 | 7.5 | 14.0 | 101 | 10.1 | 10.0 | 5.5 | 9.5 | 87 | 8.1 | 7.9 | 4.5 | 8.0 |
| 05 | 133 | 8.1 | 10.1 | 8.0 | 13.0 | 116 | 8.1 | 15.7 | * 8.5 | *14.5 | 99 | 8.1 | 10.1 | 6.0 | 11.0 | 89 | 5.7 | 7.9 | * 4.8 | * 8.8 |
| 06 | 129 | 9.7 | 6.1 | 8.5 | 14.0 | 104 | 11.9 | 11.9 | * 8.0 | *13.3 | 81 | 11.9 | 5.9 | * 4.0 | * 5.8 | 89 | 3.7 | 6.1 | * 5.8 | *11.5 |
| 07 | 125 | 8.1 | 8.1 | 6.0 | 8.0 | 100 | 9.9 | 13.9 | *10.0 | *12.5 | 79 | 8.2 | 4.1 | 8.0 | 9.0 | 89 | 2.3 | 4.9 | * 3.8 | * 7.5 |
| 08 | 121 | 11.7 | 8.0 | * 7.0 | *11.5 | 98 | 13.6 | 10.3 | * 8.0 | *11.5 | 81 | 7.4 | 5.6 | 7.5 | 10.0 | 88 | 3.1 | 7.4 | * 7.0 | *12.5 |
| 09 | 121 | 12.4 | 8.0 | * 6.8 | *10.0 | 96 | 11.9 | 7.9 | * 8.5 | *10.0 | 79 | 7.9 | 3.7 | * 8.0 | *10.0 | 89 | 3.6 | 8.0 | * 6.0 | * 9.5 |
| 10 | 121 | 11.0 | 8.0 | 3.0 | 4.5 | 97 | 9.0 | 8.3 | * 4.5 | * 6.0 | 79 | 5.5 | 2.0 | 6.5 | 9.0 | 89 | 2.0 | 5.7 | * 4.5 | * 9.0 |
| 11 | 122 | 10.6 | 8.6 | 5.5 | 8.5 | 98 | 9.7 | 8.1 | 6.0 | 9.0 | 79 | 4.3 | 2.1 | 8.0 | 9.5 | 87 | 5.7 | 7.0 | * 4.8 | *12.0 |
| 12 | 121 | 12.0 | 8.0 | 4.5 | 9.0 | 94 | 12.0 | 8.0 | 5.0 | 8.0 | 79 | 4.0 | 4.0 | 4.5 | 6.5 | 87 | 4.0 | 7.3 | * 5.0 | *10.0 |
| 13 | 121 | 11.3 | 6.0 | * 4.8 | * 7.8 | 96 | 9.7 | 9.6 | * 3.5 | * 7.0 | 79 | 4.9 | 2.0 | 6.5 | 9.5 | 87 | 2.0 | 7.7 | * 5.0 | *11.0 |
| 14 | 123 | 13.9 | 9.5 | * 5.8 | * 8.5 | 104 | 5.9 | 13.8 | * 6.0 | * 9.5 | 81 | 6.6 | 3.9 | * 8.0 | *10.5 | 85 | 4.0 | 7.3 | * 3.5 | * 9.0 |
| 15 | 125 | 10.7 | 10.0 | * 5.5 | *10.0 | 102 | 9.4 | 14.0 | * 8.0 | *14.0 | 81 | 10.7 | 4.0 | * 5.3 | * 9.0 | 87 | 4.7 | 16.0 | * 4.5 | *10.0 |
| 16 | 125 | 10.0 | 8.5 | 6.5 | 9.0 | 98 | 12.3 | 6.6 | * 5.5 | * 8.5 | 81 | 11.9 | 3.9 | * 6.8 | *10.3 | 89 | 2.0 | 10.0 | 5.0 | 9.0 |
| 17 | 125 | 9.7 | 8.0 | * 4.0 | * 6.0 | 100 | 10.6 | 14.2 | * 6.5 | * 9.0 | 83 | 11.7 | 4.1 | * 5.0 | * 9.0 | 85 | 5.0 | 9.5 | * 6.5 | *11.0 |
| 18 | 123 | 14.0 | 7.5 | 7.5 | 11.5 | 108 | 13.6 | 18.1 | 6.5 | 12.5 | 89 | 13.5 | 9.5 | 6.5 | 11.5 | 85 | 5.7 | 6.1 | 4.5 | 8.0 |
| 19 | 129 | 8.0 | 12.1 | 7.0 | 12.3 | 110 | 12.0 | 16.0 | 6.8 | 10.3 | 97 | 10.0 | 13.5 | 5.5 | 9.5 | 87 | 5.5 | 7.5 | 4.5 | 8.0 |
| 20 | 131 | 8.0 | 10.0 | 8.5 | 13.5 | 114 | 11.5 | 14.0 | 7.0 | 11.0 | 103 | 7.5 | 15.5 | 5.5 | 9.0 | 91 | 4.0 | 6.0 | 4.5 | 7.8 |
| 21 | 133 | 6.0 | 10.1 | 9.0 | 13.0 | 116 | 9.5 | 15.5 | 8.0 | 12.0 | 103 | 8.0 | 12.0 | 6.5 | 10.8 | 91 | 5.3 | 8.6 | 4.0 | 8.0 |
| 22 | 133 | 6.0 | 12.0 | 8.5 | 14.0 | 116 | 11.3 | 14.0 | * 5.0 | * 9.0 | 105 | 7.0 | 13.5 | 6.0 | 9.3 | 91 | 7.0 | 8.0 | 4.8 | 7.5 |
| 23 | 135 | 6.0 | 13.3 | 8.0 | 13.0 | 116 | 11.5 | 12.0 | 7.5 | 9.5 | 101 | 12.6 | 9.3 | 5.5 | 9.0 | 89 | 9.7 | 6.0 | * 5.0 | * 9.3 |

| HR. LST | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 64 | 12.0 | 6.0 | 4.5 | 8.0 | 80 | 8.6 | 24.0 | 4.5 | 8.0 | 38 | 7.3 | 8.6 | 3.0 | 4.5 | 23 | 2.0 | 2.0 | 1.5 | 3.0 |
| 01 | 68 | 9.3 | 11.3 | 5.5 | 9.0 | 64 | 11.3 | 12.6 | 4.5 | 7.8 | 36 | 10.0 | 5.3 | 3.3 | 5.0 | 23 | 2.0 | 0.0 | 2.0 | 3.0 |
| 02 | 68 | 10.0 | 14.6 | 5.0 | 9.5 | 62 | 13.5 | 9.5 | 5.0 | 8.3 | 36 | 10.1 | 5.8 | 3.0 | 5.0 | 23 | 2.0 | 2.0 | 2.0 | 3.0 |
| 03 | 68 | 9.7 | 15.8 | 5.0 | 8.0 | 62 | 10.3 | 11.5 | 4.8 | 8.5 | 32 | 13.8 | 4.3 | 3.0 | 4.5 | 23 | 2.1 | 2.0 | * 2.5 | * 4.3 |
| 04 | 66 | 11.7 | 13.8 | 4.5 | 9.0 | 64 | 9.7 | 17.0 | 4.0 | 8.0 | 30 | 10.1 | 5.7 | 2.8 | 4.5 | 23 | 0.2 | 2.0 | 2.0 | 3.3 |
| 05 | 66 | 10.3 | 12.2 | 5.0 | 8.0 | 62 | 12.1 | 12.3 | 4.0 | 6.5 | 30 | 5.5 | 5.9 | 2.5 | 4.0 | 23 | 2.0 | 2.0 | 1.0 | 2.8 |
| 06 | 66 | 11.9 | 13.4 | 4.5 | 8.5 | 66 | 9.0 | 18.0 | * 5.3 | * 8.0 | 32 | 9.6 | 4.3 | 4.0 | 5.5 | 21 | 2.1 | 0.0 | 1.0 | 3.0 |
| 07 | 60 | 8.1 | 12.4 | * 5.0 | * 9.0 | 78 | 4.3 | 12.8 | * 4.3 | * 9.5 | 34 | 14.0 | 6.3 | 4.0 | 7.0 | 23 | 2.0 | 2.0 | 2.5 | 3.5 |
| 08 | 50 | 14.3 | 10.0 | 5.0 | 8.0 | 72 | 4.1 | 16.0 | * 5.5 | *10.5 | 33 | 16.6 | 6.8 | 5.0 | 9.0 | 23 | 3.7 | 2.0 | 3.0 | 4.8 |
| 09 | 44 | 7.7 | 7.9 | * 5.0 | * 9.0 | 65 | 5.0 | 15.2 | * 4.8 | * 9.8 | 38 | 7.5 | 8.4 | 6.0 | 9.0 | 23 | 2.2 | 2.0 | 2.8 | 4.8 |
| 10 | 44 | 4.0 | 7.5 | 5.5 | 8.8 | 60 | 4.2 | 8.1 | * 6.0 | * 9.0 | 36 | 8.0 | 9.5 | 6.0 | 10.0 | 23 | 7.6 | 2.0 | 2.0 | 3.5 |
| 11 | 42 | 3.5 | 7.5 | 4.0 | 6.0 | 56 | 6.0 | 8.0 | * 6.8 | *11.0 | 33 | 10.6 | 7.0 | * 6.5 | *10.0 | 23 | 7.9 | 2.0 | * 3.5 | * 5.8 |
| 12 | 42 | 2.0 | 7.5 | 4.8 | 6.5 | 56 | 6.0 | 12.6 | * 6.3 | *10.5 | 34 | 6.0 | 7.3 | 5.0 | 7.5 | 25 | 6.0 | 4.0 | 2.5 | 5.0 |
| 13 | 41 | 5.0 | 7.1 | * 3.5 | * 4.5 | 58 | 3.7 | 11.9 | * 9.5 | *14.5 | 35 | 7.9 | 10.5 | * 7.0 | * 8.5 | 25 | 7.0 | 4.0 | * 3.0 | * 4.0 |
| 14 | 42 | 2.1 | 4.6 | 6.5 | 9.0 | 58 | 3.9 | 13.5 | * 5.5 | * 9.0 | 36 | 6.5 | 10.6 | * 7.5 | *11.5 | 25 | 17.2 | 4.0 | 2.5 | 5.0 |
| 15 | 44 | 7.2 | 8.0 | * 6.0 | * 8.3 | 62 | 8.5 | 12.5 | * 6.5 | *11.0 | 40 | 4.3 | 12.0 | 4.5 | 7.5 | 29 | 18.0 | 6.0 | 3.5 | 5.5 |
| 16 | 45 | 9.0 | 9.1 | 6.0 | 8.5 | 66 | 10.0 | 12.0 | 7.3 | 11.8 | 46 | 2.3 | 10.8 | 4.0 | 5.5 | 29 | 15.4 | 6.0 | 3.0 | 5.0 |
| 17 | 52 | 10.1 | 6.8 | 5.0 | 8.5 | 74 | 8.2 | 13.7 | 6.0 | 11.0 | 48 | 7.7 | 12.0 | 4.3 | 7.5 | 27 | 9.0 | 4.0 | 4.0 | 6.0 |
| 18 | 64 | 8.0 | 13.0 | * 5.0 | *10.0 | 78 | 5.6 | 11.6 | * 4.5 | * 9.0 | 50 | 5.5 | 13.5 | 4.0 | 7.0 | 25 | 8.0 | 2.0 | 3.0 | 4.5 |
| 19 | 68 | 7.9 | 13.5 | * 6.0 | * 9.5 | 74 | 7.6 | 19.7 | 5.0 | 9.5 | 42 | 11.3 | 8.0 | 4.5 | 6.0 | 23 | 8.0 | 0.0 | 2.0 | 3.5 |
| 20 | 66 | 9.7 | 8.1 | 4.5 | 6.5 | 76 | 8.0 | 9.5 | * 6.3 | *11.5 | 40 | 10.0 | 9.1 | 3.0 | 5.0 | 23 | 7.3 | 2.0 | 3.5 | 5.5 |
| 21 | 68 | 8.0 | 10.4 | 4.5 | 7.5 | 74 | 9.0 | 13.0 | * 6.0 | *10.8 | 38 | 8.0 | 9.0 | 4.0 | 6.0 | 23 | 6.0 | 2.0 | 2.8 | 3.5 |
| 22 | 67 | 8.3 | 8.3 | 4.5 | 7.3 | 76 | 9.0 | 16.0 | 4.0 | 7.5 | 38 | 10.0 | 8.0 | 3.5 | 5.0 | 23 | 6.0 | 2.0 | 1.5 | 3.5 |
| 23 | 64 | 11.3 | 5.3 | 4.8 | 7.8 | 77 | 8.7 | 12.5 | 3.8 | 7.0 | 36 | 11.5 | 5.5 | 4.0 | 6.0 | 23 | 4.2 | 1.6 | 1.5 | 3.0 |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION WARRENSBURG, MO. LAT. 38.7 N LONG. 93.8 W JUNE 1964

| HR. LST | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 166 | 10.3 | 6.4 | | | 145 | 16.4 | 6.0 | | | 124 | 15.5 | 9.4 | | | 99 | 21.4 | 6.9 | | |
| 01 | 167 | 10.9 | 9.1 | | | 143 | 18.0 | 4.0 | | | 119 | 23.5 | 8.3 | | | 101 | 22.3 | 11.1 | | |
| 02 | 165 | 11.1 | 8.9 | | | 145 | 14.4 | 7.5 | | | 121 | 16.6 | 12.1 | | | 101 | 15.5 | 13.1 | | |
| 03 | 165 | 7.2 | 9.1 | | | 145 | 9.5 | 6.0 | | | 121 | 16.2 | 14.1 | | | 100 | 14.3 | 17.9 | | |
| 04 | 162 | 10.2 | 6.0 | | | 143 | 10.0 | 6.0 | | | 114 | 21.0 | 15.2 | | | 90 | 22.7 | 16.7 | | |
| 05 | 162 | 9.9 | 6.2 | | | 135 | 17.5 | 2.0 | | | 112 | 23.0 | 19.5 | | | 94 | 21.7 | 21.8 | | |
| 06 | 162 | 8.0 | 7.9 | | | 139 | 12.0 | 7.5 | | | 115 | 21.7 | 27.9 | | | 100 | 20.2 | 29.5 | | |
| 07 | 162 | 8.2 | 6.4 | | | 139 | 12.0 | 8.0 | | | 112 | 23.1 | 26.7 | | | 100 | 16.7 | 29.4 | | |
| 08 | 162 | 8.0 | 6.3 | | | 141 | 9.5 | 10.0 | | | *119 | | | | | * 89 | | | | |
| 09 | 162 | 5.8 | 6.9 | | | 136 | 12.7 | 6.6 | | | 109 | 22.9 | 18.9 | | | 86 | 26.4 | 15.5 | | |
| 10 | 163 | 6.9 | 5.2 | | | 137 | 13.3 | 4.0 | | | 110 | 21.4 | 17.1 | | | 84 | 28.2 | 14.0 | | |
| 11 | 162 | 7.6 | 5.6 | | | 139 | 11.3 | 5.3 | | | 112 | 21.0 | 14.7 | | | 80 | 30.7 | 8.0 | | |
| 12 | 165 | 3.1 | 4.7 | | | 142 | 8.3 | 6.3 | | | 117 | 18.1 | 18.0 | | | 87 | 34.8 | 13.2 | | |
| 13 | 167 | 6.8 | 6.6 | | | 143 | 11.1 | 6.0 | | | 119 | 19.2 | 19.6 | | | 93 | 28.6 | 22.9 | | |
| 14 | 168 | 4.3 | 5.7 | | | 144 | 8.3 | 7.0 | | | 121 | 14.3 | 17.4 | | | 88 | 28.0 | 16.0 | | |
| 15 | 168 | 7.2 | 4.0 | | | 145 | 10.2 | 8.0 | | | 119 | 19.2 | 13.8 | | | 90 | 25.9 | 18.0 | | |
| 16 | 168 | 6.1 | 4.1 | | | 143 | 12.0 | 5.1 | | | 122 | 14.7 | 16.7 | | | 97 | 20.7 | 23.1 | | |
| 17 | 168 | 6.0 | 3.7 | | | 147 | 8.2 | 10.0 | | | 123 | 13.7 | 19.7 | | | 100 | 16.1 | 27.7 | | |
| 18 | 168 | 6.1 | 4.1 | | | 149 | 8.0 | 12.0 | | | 122 | 17.0 | 20.3 | | | 94 | 23.9 | 22.0 | | |
| 19 | 168 | 9.6 | 6.1 | | | 151 | 7.1 | 14.0 | | | 122 | 18.6 | 16.6 | | | 96 | 23.3 | 17.3 | | |
| 20 | 167 | 9.1 | 5.1 | | | 149 | 9.1 | 10.0 | | | 125 | 15.7 | 12.0 | | | 102 | 18.1 | 12.1 | | |
| 21 | 168 | 8.1 | 6.1 | | | 147 | 11.1 | 9.1 | | | 125 | 15.7 | 9.6 | | | 102 | 17.7 | 10.0 | | |
| 22 | 167 | 11.0 | 6.7 | | | 149 | 10.2 | 10.0 | | | 125 | 14.1 | 10.1 | | | 101 | 14.9 | 9.0 | | |
| 23 | 167 | 9.1 | 7.1 | | | 149 | 10.2 | 10.0 | | | 126 | 12.7 | 14.6 | | | 105 | 11.3 | 12.6 | | |

| HR. LST | FREQUENCY (Mc) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | | | | | | | | | | | | | | | | | | | | |
| 01 | | | | | | | | | | | | | | | | | | | | |
| 02 | | | | | | | | | | | | | | | | | | | | |
| 03 | | | | | | | | | | | | | | | | | | | | |
| 04 | | | | | | | | | | | | | | | | | | | | |
| 05 | | | | | | | | | | | | | | | | | | | | |
| 06 | | | | | | | | | | | | | | | | | | | | |
| 07 | | | | | | | | | | | | | | | | | | | | |
| 08 | | | | | | | | | | | | | | | | | | | | |
| 09 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION WARRENSBURG, MO. LAT. 38.7 N LONG. 93.8 W JULY 1964

| HR. LST. | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 166 | 4.0 | 3.1 | | | 145 | 5.1 | 4.0 | | | 125 | 6.0 | 8.1 | | | 105 | 6.0 | 8.0 | | |
| 01 | 166 | 6.0 | 4.0 | | | 145 | 8.2 | 4.0 | | | 125 | 9.4 | 8.0 | | | 105 | 8.2 | 6.0 | | |
| 02 | 166 | 7.1 | 2.0 | | | 145 | 9.1 | 4.0 | | | 125 | 10.6 | 5.7 | | | 105 | 11.1 | 7.1 | | |
| 03 | 166 | 7.1 | 2.0 | | | 147 | 9.2 | 6.0 | | | 127 | 13.9 | 10.1 | | | 105 | 14.2 | 10.2 | | |
| 04 | 166 | 10.0 | 4.0 | | | 145 | 11.1 | 4.0 | | | 125 | 17.4 | 9.7 | | | 99 | 22.5 | 11.1 | | |
| 05 | 166 | 11.2 | 6.0 | | | 143 | 14.0 | 7.1 | | | 125 | 14.3 | 21.9 | | | 96 | 25.6 | 27.0 | | |
| 06 | 164 | 11.1 | 4.0 | | | 141 | 15.8 | 6.0 | | | 121 | 14.2 | 22.0 | | | 93 | 21.7 | 18.8 | | |
| 07 | 164 | 6.6 | 3.3 | | | 141 | 11.8 | 6.0 | | | 121 | 12.3 | 20.3 | | | 93 | 17.9 | 21.6 | | |
| 08 | 163 | 5.0 | 3.0 | | | 141 | 10.5 | 8.0 | | | *123 | | | | | 95 | 17.3 | 20.9 | | |
| 09 | 164 | 6.0 | 4.5 | | | 139 | 9.9 | 6.0 | | | 117 | 13.6 | 19.9 | | | 91 | 15.4 | 16.7 | | |
| 10 | 164 | 5.3 | 4.0 | | | 138 | 8.8 | 4.3 | | | 114 | 14.4 | 16.0 | | | 89 | 16.0 | 12.7 | | |
| 11 | 164 | 5.5 | 4.0 | | | 139 | 9.7 | 4.0 | | | 117 | 11.9 | 17.6 | | | 89 | 16.8 | 18.0 | | |
| 12 | 166 | 4.0 | 4.0 | | | 143 | 4.0 | 6.0 | | | 119 | 7.9 | 19.6 | | | 91 | 13.9 | 18.0 | | |
| 13 | 168 | 2.1 | 3.7 | | | 144 | 4.7 | 6.6 | | | 121 | 6.2 | 17.6 | | | 93 | 12.0 | 18.2 | | |
| 14 | 170 | 2.0 | 4.0 | | | 145 | 4.0 | 5.5 | | | 125 | 5.9 | 14.4 | | | 95 | 15.8 | 18.1 | | |
| 15 | 170 | 3.5 | 3.5 | | | 147 | 7.5 | 7.5 | | | 125 | 12.0 | 13.9 | | | 99 | 17.5 | 20.9 | | |
| 16 | 170 | 6.2 | 4.0 | | | 147 | 9.8 | 8.0 | | | 125 | 9.0 | 14.1 | | | 99 | 11.5 | 24.4 | | |
| 17 | 170 | 2.0 | 4.0 | | | 149 | 4.0 | 9.5 | | | 124 | 9.2 | 12.9 | | | 99 | 10.0 | 21.4 | | |
| 18 | 170 | 2.0 | 4.0 | | | 146 | 6.3 | 8.3 | | | 123 | 10.1 | 12.1 | | | 97 | 13.3 | 14.6 | | |
| 19 | 168 | 2.0 | 4.0 | | | 145 | 4.0 | 7.1 | | | 123 | 6.2 | 9.9 | | | 95 | 12.0 | 11.1 | | |
| 20 | 166 | 4.0 | 3.1 | | | 145 | 6.0 | 5.1 | | | 123 | 8.4 | 6.1 | | | 99 | 11.1 | 7.1 | | |
| 21 | 168 | 4.0 | 4.0 | | | 145 | 6.0 | 4.0 | | | 125 | 6.4 | 6.0 | | | 103 | 8.0 | 6.0 | | |
| 22 | 168 | 2.0 | 4.0 | | | 145 | 6.0 | 4.0 | | | 125 | 9.6 | 6.0 | | | 103 | 9.1 | 6.0 | | |
| 23 | 166 | 4.0 | 2.0 | | | 145 | 6.0 | 4.0 | | | 125 | 6.1 | 6.1 | | | 105 | 5.1 | 8.0 | | |

| HR. LST. | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | | | | | | | | | | | | | | | | | | | | |
| 01 | | | | | | | | | | | | | | | | | | | | |
| 02 | | | | | | | | | | | | | | | | | | | | |
| 03 | | | | | | | | | | | | | | | | | | | | |
| 04 | | | | | | | | | | | | | | | | | | | | |
| 05 | | | | | | | | | | | | | | | | | | | | |
| 06 | | | | | | | | | | | | | | | | | | | | |
| 07 | | | | | | | | | | | | | | | | | | | | |
| 08 | | | | | | | | | | | | | | | | | | | | |
| 09 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

* Fewer than 7 days data on voltage and lagarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average lagarithm in db below mean power.

# MONTH-HOUR VALUES OF RADIO NOISE

STATION WARRENSBURG, MO. LAT. 38.7 N LONG. 93.8 W AUGUST 1964

| HR. LST. | FREQUENCY (Mc) .013 | | | | | .051 | | | | | .160 | | | | | .495 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | 167 | 5.7 | 4.1 | | | 145 | 5.2 | 4.8 | | | 123 | 8.2 | 6.1 | | | 104 | 5.8 | 5.6 | | |
| 01 | 167 | 4.1 | 4.1 | | | 145 | 6.4 | 4.6 | | | 123 | 9.7 | 6.0 | | | 104 | 5.9 | 4.1 | | |
| 02 | 166 | 6.8 | 5.0 | | | 145 | 6.7 | 4.6 | | | 121 | 11.7 | 4.1 | | | 104 | 8.1 | 4.1 | | |
| 03 | 165 | 6.1 | 4.0 | | | 144 | 7.7 | 3.6 | | | 121 | 13.2 | 4.1 | | | 104 | 7.7 | 5.6 | | |
| 04 | 165 | 6.1 | 3.8 | | | 144 | 7.7 | 6.1 | | | 120 | 14.2 | 8.6 | | | 100 | 13.6 | 9.4 | | |
| 05 | 163 | 7.7 | 3.8 | | | 142 | 9.7 | 7.6 | | | 117 | 18.0 | 10.3 | | | 84 | 32.1 | 14.0 | | |
| 06 | 163 | 9.7 | 5.4 | | | 139 | 16.3 | 6.6 | | | 117 | 20.8 | 14.4 | | | 92 | 24.8 | 16.8 | | |
| 07 | 163 | 5.9 | 5.8 | | | 138 | 12.0 | 7.3 | | | 116 | 20.4 | 13.4 | | | 88 | 25.7 | 16.3 | | |
| 08 | 161 | 14.8 | 3.9 | | | 136 | 12.1 | 7.6 | | | *107 | | | | | * 74 | | | | |
| 09 | *163 | | | | | *136 | | | | | *108 | | | | | * 81 | | | | |
| 10 | 163 | 4.0 | 6.6 | | | 136 | 6.3 | 4.2 | | | 107 | 16.1 | 11.9 | | | * 75 | | | | |
| 11 | 163 | 2.1 | 4.1 | | | 136 | 5.7 | 3.6 | | | 104 | 18.0 | 5.1 | | | * 73 | | | | |
| 12 | 163 | 3.7 | 2.1 | | | 138 | 3.7 | 3.7 | | | 109 | 11.4 | 9.2 | | | * 80 | | | | |
| 13 | 165 | 2.1 | 3.6 | | | 138 | 5.8 | 1.7 | | | 113 | 12.7 | 9.9 | | | * 82 | | | | |
| 14 | 167 | 2.3 | 2.0 | | | 140 | 6.2 | 2.0 | | | 113 | 15.6 | 6.2 | | | 83 | 19.0 | 11.2 | | |
| 15 | 167 | 3.7 | 1.7 | | | 142 | 7.9 | 4.0 | | | 115 | 13.9 | 7.7 | | | 82 | 24.0 | 8.4 | | |
| 16 | 169 | 3.9 | 2.2 | | | 141 | 10.9 | 2.9 | | | 117 | 14.2 | 8.3 | | | 84 | 24.3 | 8.8 | | |
| 17 | 169 | 2.2 | 2.2 | | | 142 | 8.5 | 4.0 | | | 119 | 12.6 | 10.6 | | | 88 | 17.7 | 10.8 | | |
| 18 | 167 | 4.6 | 2.2 | | | 142 | 8.7 | 4.0 | | | 119 | 10.9 | 8.2 | | | 90 | 15.3 | 10.1 | | |
| 19 | 166 | 3.6 | 3.0 | | | 144 | 6.5 | 6.0 | | | 121 | 10.7 | 6.4 | | | 99 | 9.9 | 9.0 | | |
| 20 | 167 | 2.6 | 4.2 | | | 145 | 5.5 | 5.2 | | | 124 | 6.0 | 7.1 | | | 102 | 6.9 | 3.9 | | |
| 21 | 167 | 4.5 | 2.2 | | | 146 | 4.8 | 6.1 | | | 124 | 5.9 | 7.1 | | | 104 | 6.6 | 5.9 | | |
| 22 | 167 | 4.6 | 4.1 | | | 144 | 6.8 | 2.0 | | | 123 | 7.3 | 6.2 | | | 106 | 2.9 | 6.2 | | |
| 23 | 167 | 4.6 | 2.6 | | | 144 | 6.6 | 2.0 | | | 123 | 7.0 | 6.1 | | | 104 | 6.7 | 4.1 | | |

| HR. LST. | FREQUENCY (Mc) 2.5 | | | | | 5 | | | | | 10 | | | | | 20 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| 00 | | | | | | | | | | | | | | | | | | | | |
| 01 | | | | | | | | | | | | | | | | | | | | |
| 02 | | | | | | | | | | | | | | | | | | | | |
| 03 | | | | | | | | | | | | | | | | | | | | |
| 04 | | | | | | | | | | | | | | | | | | | | |
| 05 | | | | | | | | | | | | | | | | | | | | |
| 06 | | | | | | | | | | | | | | | | | | | | |
| 07 | | | | | | | | | | | | | | | | | | | | |
| 08 | | | | | | | | | | | | | | | | | | | | |
| 09 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | |

* Fewer than 15 days data on power measurements and no computations made for $D_u$ and $D_\ell$.

** Fewer than 7 days data on voltage and logarithmic measurements.

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

BALBOA, CANAL ZONE LAT. 9.0 N LONG. 79.5 W SUMMER(JUNE,JULY,AUGUST) 1964

| FREQ. (MC) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 163 | 8.0 | 12.0 | | | 162 | 9.0 | 13.0 | | | 161 | 6.0 | 14.0 | | |
| .051 | 146 | 6.0 | 11.0 | | | 144 | 8.0 | 15.0 | | | 138 | 10.0 | 13.6 | | |
| .160 | 125 | 8.3 | 10.0 | | | 123 | 8.0 | 14.0 | | | 118 | 12.0 | 16.0 | | |
| .495 | 102 | 10.0 | 8.0 | | | 98 | 12.0 | 16.0 | | | 90 | 18.0 | 18.0 | | |
| 2.5 | 64 | 13.7 | 11.3 | | | 62 | 12.5 | 16.0 | | | 46 | 15.9 | 12.9 | | |
| 5 | 54 | 13.9 | 17.9 | | | 53 | 16.0 | 18.5 | | | 42 | 15.7 | 10.7 | | |
| 10 | 37 | 13.0 | 9.5 | | | 36 | 10.5 | 8.5 | | | 35 | 8.0 | 8.0 | | |
| 20 | 25 | 8.0 | 14.0 | | | 23 | 10.0 | 12.0 | | | 23 | 7.9 | 12.0 | | |

| FREQ. (MC) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 163 | 6.2 | 12.5 | | | 163 | 7.5 | 10.0 | | | 161 | 8.0 | 10.0 | | |
| .051 | 142 | 10.0 | 13.0 | | | 141 | 11.0 | 9.9 | | | 144 | 6.0 | 12.0 | | |
| .160 | 122 | 10.1 | 14.9 | | | 119 | 12.9 | 9.0 | | | 122 | 9.0 | 9.0 | | |
| .495 | 98 | 14.0 | 19.1 | | | 96 | 13.1 | 12.0 | | | 102 | 8.0 | 10.0 | | |
| 2.5 | 51 | 21.5 | 15.1 | | | 61 | 16.0 | 12.0 | | | 65 | 10.1 | 11.0 | | |
| 5 | 52 | 16.5 | 18.0 | | | 60 | 18.0 | 21.1 | | | 54 | 20.0 | 15.0 | | |
| 10 | 40 | 11.8 | 10.0 | | | 46 | 8.5 | 6.5 | | | 42 | 8.6 | 9.5 | | |
| 20 | 25 | 13.1 | 14.0 | | | 28 | 9.0 | 17.0 | | | 23 | 8.7 | 12.0 | | |

$F_{om}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

BILL, WYOMING LAT. 43.2 N LONG. 105.2 W Summer (JUNE, JULY, AUGUST) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 163 | 6.0 | 6.0 | 9.5 | 17.0 | 161 | 4.0 | 6.0 | 11.0 | 18.5 | 161 | 4.0 | 6.0 | 11.5 | 19.0 |
| .051 | 142 | 4.0 | 4.0 | 4.5 | 8.5 | 134 | 6.0 | 4.0 | 5.0 | 9.5 | 134 | 6.0 | 6.0 | 5.5 | 9.8 |
| .160 | 120 | 6.0 | 10.2 | 6.5 | 12.5 | 108 | 12.0 | 24.3 | 10.5 | 20.0 | 106 | 14.0 | 18.7 | 11.5 | 20.0 |
| .495 | 98 | 8.0 | 16.0 | 6.0 | 12.0 | 70 | 20.0 | 20.0 | 8.5 | 12.5 | 71 | 25.9 | 17.0 | 8.5 | 13.5 |
| 2.5 | 73 | 6.1 | 6.0 | 4.0 | 8.0 | 51 | 16.0 | 20.0 | 6.5 | 11.5 | 27 | 21.3 | 6.0 | 5.0 | 8.5 |
| 5 | 58 | 8.0 | 4.0 | 4.0 | 8.0 | 50 | 8.0 | 12.0 | 5.5 | 9.5 | 36 | 12.0 | 7.5 | 6.5 | 10.5 |
| 10 | 39 | 11.0 | 6.0 | 3.0 | 5.5 | 41 | 5.0 | 6.0 | 3.5 | 6.5 | 37 | 4.0 | 5.0 | 4.0 | 7.0 |
| 20 | 25 | 2.0 | 0.0 | 1.0 | 2.5 | 25 | 2.0 | 2.0 | 1.5 | 3.0 | 25 | 4.0 | 2.0 | 2.0 | 3.0 |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 167 | 4.0 | 4.0 | 7.5 | 13.5 | 169 | 4.0 | 4.0 | 6.5 | 12.0 | 167 | 4.0 | 6.0 | 7.5 | 14.5 |
| .051 | 142 | 8.0 | 6.0 | 6.0 | 10.0 | 144 | 12.0 | 6.0 | 5.8 | 10.0 | 144 | 6.0 | 4.2 | 5.0 | 8.5 |
| .160 | 122 | 10.0 | 14.0 | 8.0 | 15.0 | 126 | 12.0 | 12.0 | 7.0 | 12.5 | 124 | 8.0 | 8.0 | 5.0 | 10.0 |
| .495 | 98 | 16.0 | 24.1 | 9.0 | 17.0 | 100 | 18.0 | 18.2 | 7.0 | 13.3 | 102 | 8.0 | 8.0 | 4.0 | 8.3 |
| 2.5 | 53 | 18.0 | 28.0 | 8.0 | 13.5 | 65 | 17.7 | 17.7 | 4.5 | 9.0 | 77 | 4.0 | 8.0 | 3.5 | 6.5 |
| 5 | 46 | 12.0 | 8.5 | 5.5 | 10.0 | 62 | 8.0 | 10.0 | 3.5 | 6.5 | 66 | 4.0 | 7.9 | 3.5 | 7.0 |
| 10 | 43 | 7.8 | 5.0 | 3.5 | 7.0 | 52 | 7.0 | 6.0 | 2.5 | 5.5 | 48 | 8.0 | 9.0 | 3.5 | 6.5 |
| 20 | 27 | 8.0 | 2.0 | 2.0 | 3.8 | 29 | 12.0 | 3.7 | 2.0 | 4.0 | 27 | 3.7 | 2.0 | 1.5 | 3.0 |

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

BOULDER, COLORADO LAT. 40.1 N LONG. 105.1 W SUMMER (JUNE, JULY, AUGUST) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 166 | 4.0 | 5.0 | 10.0 | 16.0 | 164 | 4.0 | 6.0 | 11.5 | 18.0 | 164 | 3.0 | 6.0 | 10.8 | 17.5 |
| .051 | 139 | 6.9 | 8.0 | 7.0 | 11.0 | 130 | 9.0 | 8.0 | 6.0 | 11.0 | 130 | 9.0 | 8.0 | 6.0 | 10.8 |
| .160 | 118 | 8.0 | 6.0 | 6.0 | 11.0 | 108 | 10.0 | 16.0 | 10.0 | 15.8 | 106 | 14.0 | 16.0 | 9.0 | 13.5 |
| .495 | 100 | 6.0 | 8.0 | 5.5 | 10.3 | 74 | 14.9 | 10.0 | 4.0 | 7.0 | 72 | 22.0 | 8.0 | 5.0 | 7.5 |
| 2.5 | 69 | 8.0 | 7.0 | 5.0 | 9.0 | 51 | 15.0 | 11.0 | 6.5 | 10.0 | 42 | 8.0 | 5.2 | 2.5 | 4.0 |
| 5 | 60 | 6.0 | 5.0 | 5.0 | 9.0 | 53 | 7.0 | 9.0 | 6.5 | 10.5 | 41 | 9.4 | 5.0 | 5.0 | 8.0 |
| 10 | 39 | 9.0 | 6.0 | 4.5 | 7.0 | 41 | 4.3 | 4.0 | 5.5 | 8.5 | 38 | 6.0 | 5.0 | 5.0 | 8.0 |
| 20 | 25 | 89.0 | 2.0 | 2.0 | 3.5 | 25 | 89.0 | 2.0 | 2.5 | 4.0 | 27 | 89.0 | 4.0 | 2.5 | 4.5 |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 170 | 4.0 | 6.0 | 8.5 | 13.8 | 170 | 4.0 | 4.0 | 7.0 | 11.5 | 168 | 6.0 | 4.1 | 9.0 | 15.0 |
| .051 | 141 | 9.1 | 6.1 | 6.5 | 11.0 | 145 | 6.0 | 10.0 | 6.0 | 10.0 | 141 | 10.0 | 6.0 | 7.0 | 11.3 |
| .160 | 120 | 12.0 | 16.0 | 8.5 | 14.0 | 124 | 8.0 | 12.0 | 6.0 | 10.0 | 122 | 8.0 | 8.0 | 5.5 | 10.0 |
| .495 | 100 | 14.0 | 28.3 | 9.0 | 13.0 | 100 | 14.0 | 18.0 | 5.0 | 8.5 | 104 | 7.6 | 10.1 | 4.8 | 9.0 |
| 2.5 | 52 | 20.0 | 12.0 | 7.5 | 11.3 | 62 | 13.0 | 12.3 | 5.0 | 8.5 | 71 | 9.0 | 7.0 | 4.3 | 7.8 |
| 5 | 50 | 13.6 | 11.0 | 5.8 | 9.0 | 62 | 7.0 | 11.0 | 4.0 | 7.0 | 65 | 6.0 | 6.0 | 4.5 | 8.0 |
| 10 | 44 | 6.9 | 6.9 | 5.0 | 7.5 | 51 | 5.0 | 5.5 | 4.0 | 6.5 | 47 | 8.0 | 8.0 | 5.0 | 7.5 |
| 20 | 31 | 91.0 | 8.0 | 3.5 | 5.0 | 31 | 89.0 | 6.0 | 3.0 | 5.0 | 27 | 89.0 | 4.0 | 2.3 | 3.5 |

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

BYRD STATION, ANT. LAT. 80.0 S LONG. 120.0 W WINTER( ** ,JULY,AUGUST) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .051 | 96 | 8.0 | 9.6 | | | 90 | 15.6 | 4.0 | | | 92 | 12.0 | 4.0 | | |
| .113 | 92 | 11.1 | 6.0 | | | 90 | 10.0 | 6.0 | | | 92 | 12.3 | 6.0 | | |
| .246 | 83 | 8.5 | 6.5 | | | 83 | 11.9 | 8.0 | | | 83 | 19.0 | 8.2 | | |
| .545 | 78 | 6.0 | 5.0 | | | 78 | 8.0 | 3.7 | | | 78 | 8.0 | 4.0 | | |
| 2.5 | 44 | 14.0 | 10.0 | | | 47 | 9.0 | 13.9 | | | 46 | 14.0 | 12.0 | | |
| 5 | 53 | 25.0 | 18.0 | | | 53 | 26.7 | 13.9 | | | 55 | 29.4 | 12.6 | | |
| 10 | 35 | 10.9 | 6.0 | | | 33 | 7.7 | 4.0 | | | 36 | 12.1 | 7.0 | | |
| 20 | 22 | 9.1 | 5.0 | | | 20 | 7.5 | 5.5 | | | 22 | 16.9 | 5.6 | | |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .051 | 94 | 10.5 | 4.0 | | | 94 | 12.0 | 4.0 | | | 97 | 9.0 | 9.0 | | |
| .113 | 92 | 8.0 | 6.0 | | | 92 | 10.4 | 6.3 | | | 91 | 13.5 | 5.0 | | |
| .246 | 83 | 14.9 | 8.0 | | | 83 | 15.0 | 10.0 | | | 85 | 14.2 | 10.0 | | |
| .545 | 78 | 8.0 | 5.0 | | | 80 | 6.0 | 5.0 | | | 80 | 6.0 | 7.0 | | |
| 2.5 | 46 | 12.0 | 12.0 | | | 45 | 11.0 | 13.0 | | | 45 | 12.6 | 11.1 | | |
| 5 | 59 | 33.9 | 13.5 | | | 55 | 32.0 | 13.5 | | | 51 | 26.7 | 13.6 | | |
| 10 | 37 | 20.8 | 8.0 | | | 35 | 20.2 | 8.5 | | | 34 | 17.0 | 7.0 | | |
| 20 | 22 | 15.0 | 5.1 | | | 22 | 15.0 | 5.8 | | | 21 | 14.5 | 6.0 | | |

$F_{om}$ = median value of effective antenno noise in db above ktb.
$D_u$ = ratio of upper decile to medion in db.
$D_\ell$ = ratio of median to lower decile in db.
$V_{dm}$ = median deviation of overage voltage in db below mean power.
$L_{dm}$ = median deviation of averoge logorithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

COOK, AUSTRALIA LAT. 30.6 S LONG. 130.4 E WINTER (JUNE, JULY, AUGUST) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 156 | 2.0 | 3.0 | 8.5 | 13.0 | 156 | 2.0 | 4.0 | 9.0 | 13.5 | 152 | 2.0 | 4.0 | 11.0 | 16.5 |
| .051 | 129 | 4.0 | 5.0 | 9.0 | 14.0 | 127 | 5.0 | 8.3 | 9.0 | 14.5 | 113 | 8.0 | 6.0 | 13.0 | 19.0 |
| .160 | 105 | 6.0 | 5.0 | 7.5 | 12.8 | 99 | 8.0 | 24.0 | 8.0 | 13.5 | 68 | 19.9 | 9.0 | 12.0 | 16.0 |
| .495 | 86 | 7.0 | 5.0 | 6.5 | 12.0 | 80 | 9.0 | 38.0 | 8.0 | 13.5 | 43 | 15.9 | 4.0 | 5.5 | 7.0 |
| 2.5 | 59 | 8.0 | 6.0 | 5.5 | 10.0 | 55 | 8.0 | 10.0 | 6.0 | 10.0 | 25 | 10.0 | 6.0 | 6.3 | 9.3 |
| 5 | 51 | 8.0 | 4.0 | 5.5 | 9.0 | 49 | 6.0 | 6.0 | 5.0 | 8.5 | 27 | 12.0 | 8.0 | 6.0 | 10.0 |
| 10 | 36 | 10.0 | 4.0 | 3.5 | 5.5 | 32 | 8.0 | 2.0 | 3.5 | 5.0 | 30 | 8.0 | 4.0 | 4.0 | 6.0 |
| 20 | 22 | 1.0 | 1.0 | 2.5 | 3.8 | 21 | 2.0 | 1.0 | 2.5 | 3.8 | 21 | 0.0 | 1.0 | 3.0 | 4.5 |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 152 | 4.0 | 2.0 | 12.0 | 18.0 | 154 | 2.0 | 4.0 | 9.0 | 14.0 | 156 | 2.0 | 4.0 | 8.5 | 13.5 |
| .051 | 114 | 8.1 | 4.0 | 12.5 | 19.5 | 119 | 10.0 | 10.0 | 12.5 | 19.0 | 128 | 5.3 | 7.0 | 10.5 | 16.5 |
| .160 | 71 | 22.0 | 11.0 | 14.3 | 23.0 | 93 | 12.7 | 19.0 | 12.0 | 20.0 | 103 | 9.0 | 7.0 | 8.8 | 15.0 |
| .495 | 45 | 20.0 | 6.0 | 5.5 | 8.5 | 74 | 15.0 | 25.0 | 9.5 | 17.3 | 85 | 10.0 | 6.0 | 7.5 | 13.0 |
| 2.5 | 23 | 12.0 | 4.0 | 6.5 | 9.5 | 47 | 14.0 | 18.0 | 7.5 | 13.3 | 57 | 10.0 | 6.0 | 6.0 | 10.0 |
| 5 | 25 | 14.0 | 10.0 | 8.5 | 12.5 | 47 | 8.0 | 14.0 | 6.5 | 10.5 | 53 | 4.0 | 6.0 | 5.5 | 9.5 |
| 10 | 32 | 10.0 | 6.0 | 4.3 | 6.5 | 40 | 7.0 | 5.0 | 4.5 | 7.0 | 38 | 8.0 | 4.0 | 3.5 | 6.0 |
| 20 | 21 | 2.0 | 1.0 | 2.5 | 4.5 | 22 | 1.0 | 1.0 | 2.5 | 3.5 | 23 | 0.0 | 2.0 | 2.8 | 4.3 |

$F_{am}$ = median value of effective antenna noise in db above ktb.
$D_u$ = ratio of upper decile to median in db.
$D_\ell$ = ratio of median to lower decile in db.
$V_{dm}$ = median deviation of average voltage in db below mean power.
$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

USNS ELTANIN LAT. 65.0 S LONG.165.0 W WINTER( *** , *** ,AUGUST) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 154 | 2.0 | 2.0 | 10.0 | 15.5 | 154 | 1.3 | 2.0 | 11.0 | 17.0 | 150 | 3.7 | 2.1 | 10.5 | 15.5 |
| .051 | 118 | 4.0 | 1.3 | 11.3 | 17.0 | 116 | 4.0 | 7.3 | 11.0 | 16.5 | 106 | 6.4 | 8.1 | 10.8 | 15.0 |
| .160 | 93 | 3.0 | 6.3 | 13.0 | 19.5 | 85 | 8.3 | 14.8 | 10.5 | 15.5 | 74 | 9.9 | 12.0 | 6.0 | 10.5 |
| .495 | 77 | 5.3 | 8.6 | 11.8 | 19.5 | 63 | 10.0 | 22.0 | 11.0 | 18.0 | 43 | 17.4 | 2.0 | 4.5 | 9.5 |
| 2.5 | 55 | 6.0 | 5.3 | | | 51 | 6.1 | 13.2 | | | 33 | | | | |
| 5 | 50 | 7.3 | 6.0 | | | 44 | 8.0 | 5.7 | | | 36 | 6.0 | 6.1 | | |
| 10 | 37 | 16.3 | 4.3 | | | 34 | 2.0 | 2.0 | | | 36 | 11.9 | 4.0 | | |
| 20 | 26 | | | | | 24 | 2.0 | 0.0 | | | 24 | 2.0 | 0.0 | | |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 148 | 6.0 | 4.0 | 11.5 | 17.3 | 148 | 7.3 | 4.0 | 11.3 | 16.5 | 152 | 2.0 | 2.0 | 9.8 | 14.3 |
| .051 | 102 | 13.8 | 8.0 | 12.5 | 17.0 | 113 | 11.6 | 6.3 | 6.0 | 11.0 | 117 | 8.3 | 3.0 | 10.0 | 14.5 |
| .160 | 80 | 9.3 | 17.3 | 4.0 | 7.5 | 88 | 13.3 | 8.0 | 5.0 | 11.5 | 90 | 10.0 | 3.3 | 12.0 | 18.3 |
| .495 | 51 | 5.3 | 4.0 | 4.0 | 6.3 | 71 | 13.0 | 8.0 | 9.5 | 14.0 | 78 | 9.0 | 6.3 | 11.0 | 16.0 |
| 2.5 | 36 | | | | | 54 | 10.3 | 6.3 | | | 59 | 8.0 | 2.0 | | |
| 5 | 48 | 18.6 | 19.3 | | | 58 | 11.3 | 6.0 | | | 54 | 3.3 | 2.0 | | |
| 10 | 42 | 4.0 | 7.3 | | | 42 | 4.0 | 6.0 | | | 38 | 14.4 | 4.0 | | |
| 20 | 26 | 4.0 | 2.0 | | | 26 | 4.0 | 0.0 | | | 26 | | | | |

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

USNS ELTANIN LAT. 65.0 S LONG. 150.0 W WINTER( *** , *** , AUGUST) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 148 | 5.3 | 0.0 | | | 150 | 2.0 | 4.0 | | | 146 | 4.0 | 2.0 | | |
| .051 | 116 | 0.0 | 4.0 | | | 113 | 2.3 | 6.3 | | | 102 | 8.0 | 14.8 | | |
| .160 | 88 | 3.3 | 2.0 | | | 85 | 3.0 | 12.3 | | | 67 | 12.7 | 5.0 | | |
| .495 | 73 | 6.0 | 2.0 | | | 63 | 6.0 | 17.0 | | | 45 | | | | |
| 2.5 | 56 | 7.0 | 6.3 | 4.5 | 8.5 | 51 | 8.5 | 7.6 | 6.0 | 11.0 | 35 | 4.2 | 5.9 | 8.8 | 11.8 |
| 5 | 50 | 2.0 | 5.3 | 4.0 | 6.3 | 46 | 3.5 | 6.0 | 4.3 | 6.8 | 34 | 5.9 | 4.3 | 4.5 | 6.5 |
| 10 | 35 | 33.6 | 3.0 | 1.0 | 2.5 | 32 | 27.3 | 0.1 | 1.0 | 2.5 | 38 | 20.2 | 5.7 | 2.5 | 4.0 |
| 20 | 24 | 2.0 | 0.0 | 1.0 | 2.0 | 24 | 2.0 | 0.0 | 1.0 | 2.0 | 24 | 2.1 | 0.1 | 1.5 | 2.5 |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 144 | 2.0 | 3.1 | | | 142 | 6.0 | 4.0 | | | 147 | 3.0 | 4.3 | | |
| .051 | 94 | 4.0 | 7.9 | | | 110 | 4.0 | 8.0 | | | 116 | 2.0 | 2.0 | | |
| .160 | 68 | 14.0 | 6.0 | | | 84 | 7.3 | 10.0 | | | 90 | 1.3 | 5.3 | | |
| .495 | 47 | 9.7 | 4.1 | | | 71 | 6.0 | 11.9 | | | 77 | 4.0 | 2.0 | | |
| 2.5 | 33 | 11.6 | 6.1 | 7.3 | 10.5 | 52 | 7.0 | 9.0 | 3.5 | 6.5 | 59 | 3.3 | 5.3 | 3.8 | 7.3 |
| 5 | 36 | 21.0 | 6.0 | 4.0 | 6.0 | 55 | 15.0 | 4.3 | 2.8 | 5.5 | 52 | 4.6 | 2.0 | 4.0 | 7.0 |
| 10 | 50 | 10.2 | 10.2 | 2.0 | 4.5 | 42 | 6.0 | 8.0 | 2.0 | 4.0 | 36 | 28.6 | 2.0 | 1.5 | 3.0 |
| 20 | 26 | 1.7 | 3.7 | 2.0 | 3.0 | 24 | 2.0 | 0.0 | 1.0 | 2.5 | 24 | 2.0 | 0.0 | 1.3 | 2.3 |

$F_{om}$ = median volue of effective ontenna noise in db obove ktb.
$D_u$ = rotia af upper decile ta median in db.
$D_\ell$ = rotio of medion to lower decile in db.
$V_{dm}$ = medion deviotion of averoge voltage in db below meon power.
$L_{dm}$ = median deviotion of average lagorithm in db below meon power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

USNS ELTANIN LAT. 65.0 S LONG. 135.0 W WINTER (JUNE, ***, August) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 153 | 4.4 | 3.0 | | | 154 | 3.0 | 4.0 | | | 151 | 4.0 | 3.9 | | |
| .051 | 119 | 5.3 | 3.0 | | | 118 | 6.0 | 4.3 | | | 107 | 9.0 | 8.0 | | |
| .160 | 94 | 5.3 | 7.3 | | | 88 | 10.0 | 8.1 | | | 68 | 11.7 | 6.0 | | |
| .495 | 76 | 8.1 | 11.1 | | | 64 | 8.6 | 11.9 | | | 45 | 11.4 | 3.5 | | |
| 2.5 | 59 | 8.3 | 3.4 | 4.5 | 7.5 | 56 | 5.0 | 5.8 | 5.5 | 10.5 | 31 | 19.7 | 4.0 | 5.0 | 7.5 |
| 5 | 54 | 5.3 | 5.3 | 4.0 | 7.5 | 47 | 10.0 | 5.8 | 4.8 | 7.5 | 39 | 6.0 | 9.0 | 5.5 | 7.3 |
| 10 | 35 | 11.3 | 3.0 | 1.5 | 3.5 | 34 | 11.9 | 3.4 | 1.5 | 3.0 | 34 | 7.7 | 3.5 | 3.0 | 5.0 |
| 20 | 27 | 2.0 | 3.0 | 1.5 | 3.0 | 27 | 2.0 | 3.0 | 1.0 | 2.5 | 27 | 2.0 | 5.0 | 1.5 | 2.8 |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 148 | 3.5 | 4.5 | | | 148 | 4.1 | 6.0 | | | 152 | 3.2 | 6.0 | | |
| .051 | 99 | 4.1 | 8.5 | | | 112 | 4.3 | 6.0 | | | 119 | 3.1 | 4.1 | | |
| .160 | 74 | 10.5 | 10.0 | | | 82 | 12.1 | 6.2 | | | 92 | 10.0 | 6.7 | | |
| .495 | 49 | 11.7 | 6.2 | | | 68 | 11.7 | 10.7 | | | 79 | 4.4 | 9.0 | | |
| 2.5 | 35 | 10.6 | 4.8 | 5.0 | 7.8 | 53 | 7.1 | 5.1 | 3.0 | 5.5 | 59 | 8.3 | 4.0 | 3.5 | 6.5 |
| 5 | 43 | 11.5 | 11.0 | 3.0 | 5.5 | 56 | 13.3 | 6.5 | 2.5 | 5.5 | 56 | 3.0 | 5.0 | 3.5 | 6.0 |
| 10 | 37 | 4.0 | 4.0 | 2.0 | 3.5 | 37 | 7.3 | 4.0 | 2.0 | 3.5 | 35 | 6.5 | 1.5 | 2.0 | 3.5 |
| 20 | 27 | 2.0 | 3.0 | 1.5 | 2.5 | 27 | 2.0 | 3.0 | 1.5 | 3.0 | 27 | 3.7 | 3.5 | 1.5 | 3.0 |

$F_{am}$ = median value of effective antenna noise in db above ktb.
$D_u$ = ratio of upper decile to median in db.
$D_\ell$ = ratio of median to lower decile in db.
$V_{dm}$ = median deviation of average voltage in db below mean power.
$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

USNS ELTANIN LAT. 65.0 S LONG. 120.0 W WINTER (JUNE, ***, ***) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 153 | 6.0 | 1.3 | 12.0 | 18.0 | 153 | 6.0 | 3.5 | 11.5 | 18.0 | 151 | 4.3 | 2.0 | 11.8 | 18.0 |
| .051 | 118 | 7.0 | 3.0 | 7.5 | 11.0 | 117 | 8.0 | 7.3 | 10.5 | 17.8 | 110 | 7.3 | 8.7 | 10.0 | 15.0 |
| .160 | 88 | 12.0 | 3.3 | 8.0 | 14.0 | 84 | 6.0 | 7.5 | 9.0 | 17.0 | 73 | | | 7.0 | 12.5 |
| .495 | 70 | 7.5 | 6.0 | 8.0 | 14.5 | 56 | 11.5 | 2.3 | 7.0 | 13.5 | 46 | | | 4.5 | 8.0 |
| 2.5 | 55 | 3.0 | 4.3 | | | 51 | 6.9 | 5.0 | | | 44 | | | | |
| 5 | 53 | 4.0 | 2.0 | | | 47 | 2.0 | 6.1 | | | 41 | 4.8 | 6.0 | | |
| 10 | 36 | 10.3 | 3.0 | | | 33 | 4.0 | 2.0 | | | 35 | 2.8 | 4.0 | | |
| 20 | 29 | | | | | 29 | | | | | 27 | 2.0 | 0.0 | | |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 149 | 3.5 | 2.0 | 10.0 | 15.0 | 149 | 5.3 | 2.0 | 10.0 | 16.0 | 153 | 2.0 | 8.6 | 12.5 | 18.0 |
| .051 | 101 | 4.0 | 5.5 | 11.0 | 14.8 | 111 | 7.5 | 6.0 | 8.0 | 12.3 | 117 | 4.0 | 2.0 | 7.5 | 11.0 |
| .160 | 72 | | | 7.5 | 12.5 | 83 | 5.1 | 10.8 | 5.0 | 9.0 | 87 | 6.3 | 5.6 | 7.0 | 12.3 |
| .495 | 48 | | | 6.0 | 11.0 | 66 | 7.5 | 15.0 | 5.8 | 9.5 | 73 | 5.0 | 4.3 | 5.5 | 9.3 |
| 2.5 | 42 | 7.9 | 8.2 | | | 52 | 4.1 | 4.8 | | | 54 | 4.0 | 4.0 | | |
| 5 | 45 | 6.0 | 6.0 | | | 55 | 8.1 | 6.0 | | | 51 | 3.5 | 4.0 | | |
| 10 | 35 | 5.6 | 2.1 | | | 35 | 4.1 | 2.0 | | | 37 | 4.0 | 4.0 | | |
| 20 | 29 | -0.0 | 2.0 | | | 27 | 2.0 | 0.0 | | | 29 | -0.0 | 2.0 | | |

$F_{om}$ = median value of effective antenna noise in db above ktb.
$D_u$ = ratio of upper decile to median in db.
$D_\ell$ = ratio of median to lower decile in db.
$V_{dm}$ = median deviation of average voltage in db below mean power.
$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

USNS ELTANIN LAT. 65.0 S LONG.105.0 W WINTER(JUNE, ***, ***) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 153 | 2.0 | 2.0 | 12.0 | 18.0 | 153 | 4.0 | 2.0 | 13.0 | 20.0 | 155 | 2.0 | 5.3 | 11.5 | 18.5 |
| .051 | 117 | 6.0 | 2.5 | 7.5 | 11.3 | 117 | 4.0 | 5.0 | 11.0 | 17.0 | 111 | 8.0 | 11.4 | 11.3 | 17.0 |
| .160 | 89 | 7.0 | 5.5 | 7.5 | 13.5 | 84 | 10.0 | 6.0 | 12.0 | 20.0 | 76 | | | 9.5 | 14.0 |
| .495 | 70 | 10.0 | 8.5 | 7.3 | 13.3 | 54 | 18.2 | 8.0 | 9.5 | 17.0 | 48 | | | 6.0 | 8.3 |
| 2.5 | 58 | 4.0 | 4.0 | | | 52 | 6.0 | 7.8 | | | 42 | 12.1 | 9.6 | | |
| 5 | 53 | 2.0 | 4.0 | | | 41 | 8.0 | 2.0 | | | 41 | 6.0 | 6.0 | | |
| 10 | 33 | 3.1 | 2.0 | | | 31 | 2.0 | 0.0 | | | 35 | 19.0 | 4.0 | | |
| 20 | 29 | 0.5 | 2.0 | | | 29 | 2.0 | 2.0 | | | 29 | 2.0 | 2.0 | | |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 149 | 4.0 | 4.0 | 8.5 | 13.5 | 149 | 4.5 | 2.5 | 8.5 | 12.5 | 151 | 4.0 | 4.0 | 10.5 | 16.0 |
| .051 | 101 | 8.0 | 10.0 | 11.0 | 15.0 | 109 | 10.0 | 6.5 | 8.0 | 12.5 | 116 | 5.0 | 5.5 | 6.0 | 9.5 |
| .160 | 80 | 4.0 | 14.0 | 5.5 | 8.5 | 80 | 6.0 | 7.0 | 5.0 | 7.5 | 88 | 4.5 | 4.0 | 6.0 | 10.5 |
| .495 | 50 | 5.9 | 4.2 | 5.5 | 9.0 | 60 | 10.0 | 6.7 | 5.3 | 9.8 | 70 | 8.5 | 2.5 | 5.5 | 9.5 |
| 2.5 | 42 | 6.0 | 9.5 | | | 51 | 9.0 | 7.5 | | | 58 | 4.5 | 2.0 | | |
| 5 | 45 | 4.0 | 8.0 | | | 55 | 8.7 | 6.0 | | | 53 | 6.7 | 2.7 | | |
| 10 | 37 | 10.5 | 4.0 | | | 35 | 6.7 | 2.0 | | | 35 | 2.0 | 2.0 | | |
| 20 | 29 | 2.0 | 2.0 | | | 29 | 3.0 | 2.0 | | | 28 | 1.5 | 1.0 | | |

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

USNS ELTANIN LAT. 65.0 S LONG. 90.0 W WINTER (JUNE, *** , ***) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 149 | 4.9 | 2.0 | | | 149 | 6.9 | 4.9 | | | 149 | 6.7 | 2.7 | | |
| .051 | 113 | 6.0 | 4.0 | | | 111 | 8.0 | 4.9 | | | 107 | 8.1 | 8.0 | | |
| .160 | 86 | 10.1 | 7.6 | | | 80 | 11.7 | 6.0 | | | 73 | 9.5 | 5.5 | | |
| .495 | 68 | 12.0 | 7.2 | | | 54 | 14.5 | 8.0 | | | 47 | | | | |
| 2.5 | 57 | 3.0 | 3.0 | 5.0 | 9.0 | 50 | 6.9 | 4.0 | 6.5 | 11.3 | 48 | 10.0 | 16.0 | 7.0 | 11.8 |
| 5 | 53 | 4.9 | 4.9 | 4.0 | 7.5 | 47 | 6.0 | 4.9 | 4.3 | 7.5 | 43 | 4.7 | 10.0 | 3.3 | 5.3 |
| 10 | 33 | 2.0 | 0.0 | 1.0 | 2.5 | 33 | 2.0 | 2.0 | 1.5 | 3.0 | 33 | 2.5 | 2.0 | 2.3 | 3.5 |
| 20 | 27 | 2.0 | 0.0 | 1.5 | 2.5 | 27 | 2.0 | 0.0 | 1.0 | 2.0 | 27 | 1.5 | 0.0 | 1.5 | 2.8 |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 147 | 4.0 | 2.0 | | | 147 | 2.1 | 3.7 | | | 149 | 2.1 | 2.0 | | |
| .051 | 99 | 6.0 | 4.1 | | | 105 | 4.1 | 6.1 | | | 112 | 5.1 | 3.1 | | |
| .160 | 74 | | | | | 76 | 8.0 | 6.0 | | | 85 | 5.1 | 5.1 | | |
| .495 | 46 | | | | | 58 | 9.7 | 5.7 | | | 70 | 6.1 | 4.0 | | |
| 2.5 | 38 | 10.1 | 9.7 | 3.5 | 6.5 | 50 | 5.9 | 9.7 | 3.5 | 6.0 | 56 | 4.1 | 2.0 | 4.0 | 7.0 |
| 5 | 41 | 5.6 | 8.0 | 2.0 | 4.0 | 49 | 6.1 | 5.6 | 2.0 | 4.3 | 53 | 6.1 | 4.0 | 2.3 | 4.8 |
| 10 | 33 | 3.6 | 0.1 | 1.5 | 3.5 | 35 | | | 1.5 | 3.0 | 35 | 1.6 | 2.0 | 1.5 | 3.0 |
| 20 | 27 | 2.0 | 0.0 | 1.0 | 2.5 | 27 | 2.0 | 0.0 | 1.0 | 2.3 | 27 | 2.0 | 0.0 | 1.0 | 2.5 |

$F_{am}$ = median value of effective antenna noise in db above ktb.
$D_u$ = ratio of upper decile to median in db.
$D_\ell$ = ratio of median to lower decile in db.
$V_{dm}$ = median deviation of average voltage in db below mean power.
$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

USNS ELTANIN LAT. 55.0 S LONG.165.0 W WINTER( *** ,JULY,AUGUST) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 154 | 2.0 | 2.0 | 10.5 | 15.3 | 154 | 2.0 | 2.0 | 12.0 | 18.0 | 148 | 4.0 | 2.0 | 11.3 | 16.3 |
| .051 | 122 | 5.5 | 5.5 | 11.5 | 16.5 | 121 | 6.5 | 9.1 | 12.0 | 18.0 | 104 | 8.9 | 6.9 | 13.3 | 17.8 |
| .160 | 96 | 8.0 | 8.0 | 12.5 | 20.0 | 89 | 12.5 | 13.5 | 11.5 | 18.0 | 69 | 14.1 | 7.0 | 7.5 | 11.0 |
| .495 | 77 | 8.0 | 4.0 | 11.3 | 18.5 | 68 | 14.6 | 23.1 | 11.0 | 19.5 | 42 | 19.0 | 1.5 | 4.5 | 8.0 |
| 2.5 | 57 | 4.0 | 6.0 | 7.3 | 11.8 | 53 | 8.6 | 8.0 | 5.8 | 9.3 | 29 | 8.3 | 5.9 | 3.5 | 6.0 |
| 5 | 52 | 5.7 | 5.7 | 4.0 | 6.8 | 48 | 6.1 | 6.0 | 6.0 | 8.5 | 32 | 7.0 | 4.0 | 5.3 | 7.3 |
| 10 | 37 | 26.9 | 3.0 | 1.5 | 3.0 | 34 | 18.0 | 2.0 | 1.8 | 3.3 | 33 | 7.0 | 3.0 | 2.0 | 3.5 |
| 20 | 26 | 3.0 | 2.0 | 1.0 | 2.5 | 24 | 5.0 | 0.0 | 1.0 | 2.5 | 24 | 3.0 | 0.0 | 1.0 | 2.5 |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 146 | 3.9 | 3.9 | 12.3 | 17.8 | 148 | 2.0 | 5.3 | 12.0 | 17.5 | 152 | 4.0 | 2.1 | 10.8 | 15.8 |
| .051 | 102 | 5.4 | 9.4 | 15.5 | 21.0 | 114 | 8.0 | 10.0 | 8.5 | 12.5 | 121 | 2.6 | 6.3 | 9.5 | 14.0 |
| .160 | 72 | 11.9 | 10.0 | 5.0 | 7.0 | 88 | 6.1 | 8.9 | 7.3 | 11.0 | 94 | 6.0 | 7.0 | 11.0 | 17.0 |
| .495 | 49 | 13.6 | 8.0 | 4.0 | 7.5 | 73 | 5.7 | 10.0 | 5.5 | 9.5 | 79 | 5.0 | 5.0 | 7.0 | 11.0 |
| 2.5 | 35 | 8.0 | 8.7 | 5.5 | 8.8 | 53 | 4.7 | 8.7 | 4.0 | 6.5 | 58 | 3.2 | 3.2 | 4.5 | 7.5 |
| 5 | 34 | 18.2 | 4.2 | 6.3 | 8.5 | 50 | 6.5 | 6.1 | 3.8 | 6.5 | 54 | 4.0 | 4.0 | 4.5 | 7.3 |
| 10 | 40 | 5.6 | 8.0 | 2.5 | 4.3 | 39 | 11.9 | 3.0 | 3.5 | 6.5 | 38 | 14.3 | 2.0 | 2.0 | 3.5 |
| 20 | 26 | 3.0 | 2.0 | 1.5 | 3.0 | 26 | 2.0 | 2.0 | 1.5 | 3.0 | 26 | 3.0 | 2.0 | 1.5 | 3.0 |

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

USNS ELTANIN LAT. 55.0 S LONG. 150.0 W WINTER( *** ,JULY, ***) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 152 | | | 8.8 | 14.0 | 153 | | | 12.0 | 19.0 | 146 | | | 11.5 | 18.0 |
| .051 | 118 | | | 10.0 | 14.5 | 117 | | | 12.0 | 19.0 | 103 | | | 11.0 | 17.0 |
| .160 | 93 | | | 12.0 | 19.0 | 90 | | | 9.0 | 16.5 | 69 | | | 9.8 | 15.0 |
| .495 | 79 | | | 12.5 | 24.0 | 64 | | | 10.5 | 19.5 | 44 | | | 5.0 | 7.5 |
| 2.5 | 58 | | | | | 58 | | | | | 37 | | | | |
| 5 | 51 | | | | | 47 | | | | | 37 | | | | |
| 10 | 46 | | | | | 34 | | | | | 34 | | | | |
| 20 | 29 | | | | | 28 | | | | | 27 | | | | |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 144 | | | 9.0 | 14.0 | 144 | | | 11.0 | 16.0 | 148 | | | 9.0 | 14.0 |
| .051 | 99 | | | 8.3 | 11.8 | 112 | | | 7.5 | 11.5 | 117 | | | 6.8 | 12.0 |
| .160 | 72 | | | 7.8 | 12.5 | 85 | | | 8.5 | 14.0 | 90 | | | 7.5 | 12.5 |
| .495 | 58 | | | 9.0 | 15.5 | 68 | | | 5.0 | 10.0 | 74 | | | 6.0 | 10.5 |
| 2.5 | 34 | | | | | 55 | | | | | 55 | | | | |
| 5 | 38 | | | | | 54 | | | | | 55 | | | | |
| 10 | 46 | | | | | 40 | | | | | 38 | | | | |
| 20 | 27 | | | | | 29 | | | | | 29 | | | | |

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

USNS ELTANIN LAT. 55.0 S LONG. 135.0 W WINTER (JUNE, JULY, ***) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 154 | 3.0 | 3.4 | | | 154 | 3.0 | 4.0 | | | 151 | 5.1 | 5.0 | | |
| .051 | 121 | 2.0 | 4.0 | | | 119 | 4.9 | 4.9 | | | 107 | 8.0 | 6.0 | | |
| .160 | 96 | 6.0 | 6.4 | | | 94 | 10.0 | 8.0 | | | 75 | 4.6 | 6.3 | | |
| .495 | 83 | 5.0 | 9.9 | | | 76 | 11.4 | 13.9 | | | 48 | 23.0 | 4.0 | | |
| 2.5 | 61 | 6.9 | 6.9 | 6.3 | 10.5 | 60 | 6.0 | 4.0 | 5.8 | 12.5 | 40 | 18.3 | 14.3 | 5.8 | 10.0 |
| 5 | 57 | 4.0 | 6.0 | 4.5 | 7.8 | 51 | 6.0 | 6.7 | 6.0 | 9.5 | 38 | 9.0 | 7.0 | 4.0 | 6.0 |
| 10 | 38 | 10.0 | 5.0 | 1.5 | 3.0 | 33 | 8.5 | 2.5 | 1.5 | 2.5 | 34 | 3.6 | 2.6 | 2.3 | 3.8 |
| 20 | 29 | 4.6 | 2.0 | 1.0 | 2.5 | 29 | 3.1 | 2.0 | 1.0 | 2.5 | 27 | 8.0 | 0.0 | 0.5 | 2.0 |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 149 | 4.0 | 4.5 | | | 149 | 4.0 | 7.0 | | | 151 | 3.3 | 4.3 | | |
| .051 | 104 | 6.7 | 8.7 | | | 113 | 10.0 | 9.1 | | | 119 | 6.0 | 6.0 | | |
| .160 | 72 | 12.8 | 8.5 | | | 86 | 10.0 | 11.0 | | | 96 | 4.0 | 11.0 | | |
| .495 | 50 | 9.5 | 8.0 | | | 74 | 14.2 | 11.1 | | | 82 | 7.2 | 7.7 | | |
| 2.5 | 36 | 10.6 | 6.8 | 4.0 | 7.3 | 55 | 11.0 | 10.0 | 4.5 | 8.0 | 62 | 6.0 | 7.5 | 5.0 | 8.8 |
| 5 | 43 | 11.3 | 12.0 | 3.3 | 5.8 | 57 | 6.0 | 4.0 | 2.5 | 5.0 | 57 | 4.0 | 2.0 | 4.0 | 7.5 |
| 10 | 39 | 10.0 | 4.1 | 2.3 | 4.5 | 39 | 4.3 | 4.0 | 1.5 | 3.5 | 40 | 3.0 | 3.4 | 2.0 | 3.5 |
| 20 | 28 | 3.0 | 1.0 | 1.5 | 2.5 | 29 | 3.8 | 2.0 | 1.5 | 2.5 | 29 | 0.0 | 2.0 | 1.0 | 2.5 |

$F_{am}$ = median value of effective antenna noise in db above ktb.
$D_u$ = ratio of upper decile to median in db.
$D_\ell$ = ratio of median to lower decile in db.
$V_{dm}$ = median deviation of average voltage in db below mean power.
$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

USNS ELTANIN LAT. 55.0 S LONG.120.0 W WINTER(*** , *** ,AUGUST) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 153 | | | | | 154 | | | | | 150 | | | | |
| .051 | 119 | | | | | 116 | | | | | 106 | | | | |
| .160 | 98 | | | | | 92 | | | | | 72 | | | | |
| .495 | 82 | | | | | 69 | | | | | 47 | | | | |
| 2.5 | 61 | | | 4.5 | 7.5 | 54 | | | 5.5 | 8.8 | 37 | | | 7.5 | 10.5 |
| 5 | 57 | | | 4.0 | 6.5 | 52 | | | 5.5 | 8.5 | 36 | | | 6.0 | 9.5 |
| 10 | 46 | | | 1.8 | 3.5 | 36 | | | 2.0 | 3.5 | 36 | | | 3.0 | 5.0 |
| 20 | 25 | | | 1.0 | 2.5 | 24 | | | 1.0 | 2.5 | 24 | | | 1.5 | 3.0 |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 150 | | | | | 148 | 3.9 | 4.0 | | | 150 | 2.0 | 3.9 | | |
| .051 | 100 | | | | | 114 | 6.8 | 8.0 | | | 120 | 5.9 | 2.0 | | |
| .160 | 76 | | | | | 88 | | | | | 98 | 4.0 | 4.0 | | |
| .495 | 57 | 8.3 | 14.3 | | | 76 | 8.9 | 8.9 | | | 85 | 5.9 | 0.2 | | |
| 2.5 | 34 | | | 6.0 | 9.5 | 55 | 7.9 | 8.0 | 3.5 | 6.3 | 65 | 4.0 | 2.6 | 3.0 | 6.0 |
| 5 | 39 | | | 4.0 | 6.8 | 60 | 16.3 | 8.3 | 3.3 | 6.5 | 60 | 4.2 | 4.0 | 2.8 | 5.3 |
| 10 | 42 | 16.0 | 8.3 | 3.3 | 5.3 | 40 | 6.8 | 4.2 | 4.0 | 6.5 | 40 | 6.0 | 6.3 | 2.0 | 3.8 |
| 20 | 25 | | | 1.5 | 2.5 | 26 | | | 1.5 | 3.0 | 26 | 2.6 | 2.0 | 1.0 | 3.0 |

$F_{om}$ = median value of effective antenna noise in db above ktb.
$D_u$ = ratio of upper decile to median in db.
$D_\ell$ = ratio of median to lower decile in db.
$V_{dm}$ = median deviation of average voltage in db below mean power.
$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

USNS ELTANIN LAT. 45.0 S LONG.180.0 WINTER( ** ,JULY, **** ) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 158 | 2.0 | 2.0 | 12.5 | 17.5 | 158 | 4.0 | 2.0 | 13.0 | 18.8 | 152 | 5.3 | 2.0 | 11.8 | 17.5 |
| .051 | 129 | 3.3 | 4.0 | 12.0 | 18.0 | 128 | 5.0 | 7.6 | 13.5 | 20.0 | 119 | 8.9 | 17.5 | 15.0 | 22.5 |
| .160 | 107 | 2.0 | 4.0 | 10.8 | 18.5 | 104 | 5.0 | 18.3 | 11.8 | 19.5 | 85 | 9.4 | 22.0 | 12.5 | 20.0 |
| .495 | 92 | 3.3 | 7.3 | 8.5 | 17.0 | 82 | 12.0 | 29.3 | 10.0 | 17.0 | 51 | | | 10.0 | 17.0 |
| 2.5 | 69 | 5.3 | 6.0 | | | 65 | 16.0 | 6.6 | | | 39 | 15.8 | 9.8 | | |
| 5 | 59 | 2.0 | 3.5 | | | 55 | 6.0 | 7.3 | | | 35 | 10.2 | 7.1 | | |
| 10 | 43 | 36.8 | 9.0 | | | 36 | 35.3 | 4.0 | | | 40 | 17.3 | 4.0 | | |
| 20 | 29 | -0.0 | 2.0 | | | 27 | 2.0 | 0.0 | | | 27 | 0.2 | 0.0 | | |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 152 | 4.0 | 2.0 | 15.0 | 21.0 | 152 | 2.5 | 2.0 | 12.5 | 18.5 | 156 | 4.5 | 0.5 | 11.3 | 17.0 |
| .051 | 119 | 2.1 | 10.5 | 15.5 | 22.0 | 122 | 4.8 | 9.9 | 14.0 | 21.0 | 128 | 3.5 | 5.0 | 13.0 | 19.0 |
| .160 | 85 | 3.1 | 19.1 | 13.0 | 19.0 | 97 | 6.0 | 12.0 | 13.0 | 19.0 | 105 | 4.5 | 4.5 | 10.5 | 19.0 |
| .495 | 52 | 12.0 | 8.0 | 7.0 | 11.0 | 84 | 8.0 | 13.0 | 11.0 | 19.0 | 92 | 4.5 | 6.0 | 10.3 | 18.0 |
| 2.5 | 39 | 9.8 | 11.3 | | | 61 | 4.5 | 10.5 | | | 67 | 8.5 | 2.0 | | |
| 5 | 35 | 9.7 | 4.1 | | | 53 | 2.0 | 5.8 | | | 57 | 2.0 | 2.5 | | |
| 10 | 40 | 7.3 | 6.6 | | | 42 | 16.7 | 4.0 | | | 41 | 17.5 | 5.0 | | |
| 20 | 27 | 4.0 | 0.0 | | | 29 | -0.0 | 2.0 | | | 29 | -0.0 | 0.0 | | |

$F_{am}$ = median value of effective antenna noise in db above ktb.
$D_u$ = ratio of upper decile to median in db.
$D_\ell$ = ratio of median to lower decile in db.
$V_{dm}$ = median deviation of average voltage in db below mean power.
$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

ENKOPING, SWEDEN LAT. 59.5 N LONG. 17.3 E SUMMER (JUNE, JULY, AUGUST) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 155 | 4.0 | 4.0 | 10.3 | 16.0 | 153 | 4.0 | 4.0 | 12.0 | 18.0 | 155 | 4.0 | 4.0 | 11.5 | 17.5 |
| .051 | 126 | 7.0 | 7.0 | 12.5 | 18.0 | 120 | 7.0 | 7.0 | 14.5 | 22.0 | 123 | 7.0 | 6.0 | 11.5 | 18.0 |
| .160 | 106 | 6.0 | 15.1 | 8.5 | 13.0 | 84 | 14.0 | 10.0 | 8.3 | 11.5 | 86 | 12.0 | 10.0 | 9.0 | 13.0 |
| .495 | 76 | 13.2 | 20.0 | 8.0 | 13.0 | 56 | 10.7 | 4.0 | 4.0 | 6.0 | 57 | 14.0 | 4.6 | 5.0 | 7.0 |
| 2.5 | 61 | 8.0 | 10.0 | 6.5 | 11.5 | 39 | 13.0 | 8.0 | 7.0 | 11.8 | 35 | 8.0 | 6.0 | 4.5 | 8.5 |
| 5 | 56 | 5.0 | 6.0 | 5.0 | 8.5 | 42 | 10.0 | 8.0 | 6.0 | 9.5 | 34 | 14.8 | 7.0 | 7.3 | 10.0 |
| 10 | 39 | 8.4 | 6.4 | 3.0 | 5.0 | 40 | 7.0 | 5.0 | 4.0 | 6.5 | 37 | 6.0 | 5.0 | 5.0 | 7.8 |
| 20 | 19 | 1.0 | 2.0 | 1.5 | 3.0 | 19 | 2.0 | 2.0 | 2.0 | 3.5 | 19 | 4.0 | 2.0 | 2.0 | 3.5 |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 159 | 4.9 | 2.9 | 9.0 | 15.0 | 159 | 4.0 | 4.0 | 9.0 | 14.5 | 155 | 4.0 | 2.1 | 9.5 | 15.0 |
| .051 | 129 | 5.0 | 4.0 | 8.5 | 14.0 | 128 | 7.0 | 5.0 | 9.5 | 16.0 | 128 | 6.0 | 7.0 | 10.5 | 16.5 |
| .160 | 96 | 12.0 | 10.0 | 8.0 | 13.0 | 96 | 16.0 | 10.7 | 8.3 | 13.5 | 106 | 6.0 | 11.1 | 7.5 | 13.0 |
| .495 | 62 | 16.0 | 8.0 | 6.8 | 10.3 | 63 | 19.0 | 7.0 | 5.0 | 8.0 | 78 | 14.0 | 11.7 | 7.5 | 12.5 |
| 2.5 | 34 | 10.0 | 5.0 | 4.0 | 7.5 | 44 | 9.0 | 9.0 | 4.3 | 8.0 | 61 | 9.0 | 8.0 | 5.0 | 9.5 |
| 5 | 40 | 9.0 | 10.0 | 6.3 | 10.8 | 50 | 8.0 | 8.1 | 5.0 | 9.5 | 59 | 6.0 | 5.0 | 5.0 | 9.0 |
| 10 | 42 | 5.0 | 5.8 | 4.8 | 7.8 | 47 | 6.0 | 4.0 | 4.0 | 7.0 | 46 | 6.3 | 6.3 | 4.0 | 6.5 |
| 20 | 19 | 4.3 | 2.0 | 1.5 | 3.5 | 21 | 5.0 | 2.0 | 2.0 | 4.0 | 20 | 3.0 | 1.0 | 1.5 | 3.5 |

$F_{am}$ = median value of effective antenna noise in db obave ktb.
$D_u$ = ratio of upper decile to median in db.
$D_\ell$ = ratio of medion to lower decile in db.
$V_{dm}$ = median deviation of average voltage in db below mean power.
$L_{dm}$ = median deviation of average logorithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

FRONT ROYAL, VA. LAT. 38.8 N LONG. 78.2 W SUMMER (JUNE, JULY, AUGUST) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .135 | 116 | 5.0 | 5.0 | | | 103 | 11.9 | 12.0 | | | 99 | 10.5 | 8.5 | | |
| .5 | 93 | 6.8 | 5.0 | | | 66 | 25.1 | 8.0 | | | 62 | 8.5 | 5.5 | | |
| 2.5 | 74 | 7.0 | 7.0 | | | 55 | 20.0 | 11.0 | | | 36 | 6.0 | 4.0 | | |
| 5 | 64 | 4.0 | 5.0 | | | 59 | 7.0 | 10.2 | | | 41 | 7.0 | 6.0 | | |
| 10 | 41 | 6.0 | 3.0 | | | 43 | 5.0 | 4.0 | | | 42 | 4.0 | 4.0 | | |
| 20 | 25 | 2.0 | 2.0 | | | 24 | 2.0 | 2.0 | | | 26 | 3.0 | 4.0 | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .135 | 110 | 11.4 | 14.0 | | | 109 | 13.6 | 14.0 | | | 116 | 7.0 | 8.1 | | |
| .5 | 74 | 26.0 | 14.0 | | | 77 | 23.0 | 16.8 | | | 92 | 9.0 | 8.8 | | |
| 2.5 | 43 | 24.0 | 9.0 | | | 62 | 14.8 | 20.0 | | | 75 | 6.8 | 8.0 | | |
| 5 | 46 | 14.0 | 11.0 | | | 59 | 9.8 | 12.0 | | | 68 | 5.0 | 5.0 | | |
| 10 | 43 | 6.0 | 4.8 | | | 51 | 6.0 | 4.0 | | | 50 | 6.0 | 7.0 | | |
| 20 | 28 | 5.0 | 3.0 | | | 29 | 5.5 | 3.5 | | | 26 | 2.0 | 3.0 | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

KEKAHA, HAWAII LAT. 22.0 N LONG. 159.7 W SUMMER (JUNE, JULY, ***) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 153 | 3.9 | 2.0 | 9.0 | 14.5 | 153 | 2.0 | 4.0 | 11.5 | 18.5 | 151 | 2.0 | 2.0 | 10.0 | 15.5 |
| .051 | 128 | 4.0 | 4.0 | 10.5 | 15.8 | 124 | 6.1 | 10.0 | 12.0 | 18.5 | 110 | 10.0 | 4.0 | 10.0 | 14.5 |
| .160 | 104 | 6.0 | 6.0 | 10.5 | 16.5 | 98 | 10.0 | 28.0 | 11.0 | 18.0 | 72 | 17.1 | 8.0 | 12.5 | 18.8 |
| .495 | 82 | 8.0 | 6.0 | 11.0 | 19.0 | 72 | 14.0 | 18.0 | 8.5 | 12.5 | 54 | 8.0 | 6.0 | 5.0 | 7.8 |
| 2.5 | 58 | 4.0 | 5.8 | 6.3 | 10.3 | 55 | 6.0 | 11.0 | 6.0 | 9.5 | 32 | 8.0 | 4.0 | 2.5 | 4.5 |
| 5 | 52 | 5.0 | 4.0 | 4.5 | 8.0 | 47 | 6.0 | 9.1 | 5.5 | 8.5 | 25 | 8.2 | 6.0 | 4.0 | 6.0 |
| 10 | 37 | 5.0 | 4.0 | 3.5 | 5.5 | 34 | 6.0 | 5.0 | 5.3 | 8.3 | 25 | 8.0 | 5.0 | 4.0 | 6.0 |
| 20 | 25 | 2.0 | 0.0 | 1.0 | 2.5 | 25 | 2.0 | 2.0 | 1.5 | 3.0 | 23 | 2.0 | 2.0 | 1.5 | 3.5 |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 151 | 2.0 | 2.0 | 9.0 | 14.3 | 149 | 2.0 | 2.0 | 10.5 | 16.5 | 151 | 2.0 | 2.0 | 8.0 | 12.5 |
| .051 | 112 | 8.5 | 4.0 | 10.3 | 14.5 | 108 | 6.0 | 4.0 | 8.0 | 12.0 | 122 | 6.0 | 4.0 | 8.5 | 14.0 |
| .160 | 72 | 14.0 | 10.0 | 11.0 | 14.8 | 76 | 16.0 | 12.0 | 7.0 | 11.5 | 98 | 8.0 | 6.0 | 9.3 | 14.8 |
| .495 | 54 | 6.0 | 6.0 | 4.3 | 7.0 | 56 | 14.0 | 6.0 | 4.5 | 7.5 | 78 | 8.2 | 8.0 | 10.0 | 16.5 |
| 2.5 | 29 | 8.0 | 3.0 | 2.5 | 4.5 | 36 | 11.0 | 7.0 | 2.5 | 4.3 | 55 | 6.0 | 6.0 | 5.5 | 8.5 |
| 5 | 21 | 8.0 | 3.0 | 3.5 | 5.5 | 37 | 12.0 | 14.0 | 3.5 | 6.0 | 51 | 4.0 | 5.0 | 4.0 | 7.5 |
| 10 | 23 | 5.0 | 3.0 | 3.5 | 6.0 | 37 | 5.0 | 7.0 | 4.0 | 7.0 | 38 | 4.0 | 4.0 | 3.5 | 6.0 |
| 20 | 23 | 3.6 | 0.0 | 2.5 | 4.0 | 25 | 2.0 | 0.0 | 2.0 | 3.5 | 25 | 2.0 | 0.0 | 1.5 | 3.0 |

$F_{am}$ = median value of effective antenna noise in db above ktb.
$D_u$ = ratio of upper decile to median in db.
$D_\ell$ = ratio of median to lower decile in db.
$V_{dm}$ = median deviation of average voltage in db below mean power.
$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

NEW DELHI, INDIA LAT. 28.8 N LONG. 77.3 E SUMMER (JUNE, JULY, AUGUST) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 159 | 4.0 | 3.0 | 9.0 | 12.0 | 157 | 5.0 | 4.0 | 8.0 | 10.5 | 156 | 4.0 | 5.0 | 8.0 | 11.5 |
| .051 | 139 | 7.0 | 6.0 | 9.5 | 13.5 | 132 | 11.0 | 9.0 | 10.8 | 15.0 | 127 | 13.7 | 6.0 | 9.8 | 14.0 |
| .160 | 121 | 8.0 | 7.0 | 9.3 | 14.0 | 115 | 12.0 | 19.0 | 12.0 | 16.8 | 105 | 22.0 | 11.7 | 10.5 | 15.5 |
| .495 | 102 | 9.1 | 9.0 | 8.0 | 13.5 | 89 | 19.9 | 14.1 | 9.0 | 11.0 | 79 | 28.0 | 9.0 | 7.0 | 9.0 |
| 2.5 | 73 | 8.0 | 8.0 | 7.0 | 10.0 | 65 | 12.5 | 16.0 | 7.0 | 10.5 | 53 | 14.0 | 6.5 | 4.0 | 5.5 |
| 5 | 60 | 7.1 | 6.0 | 6.0 | 8.5 | 55 | 10.0 | 11.0 | 6.8 | 10.0 | 44 | 15.7 | 8.0 | 6.5 | 9.0 |
| 10 | 43 | 8.7 | 6.0 | 4.5 | 6.5 | 43 | 12.0 | 8.0 | 5.5 | 8.0 | 39 | 8.0 | 6.0 | 5.0 | 8.0 |
| 20 | 25 | 2.0 | 2.0 | 2.0 | 3.5 | 23 | 4.0 | 2.0 | 2.0 | 3.5 | 25 | 4.1 | 4.0 | 3.0 | 4.5 |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 162 | 4.0 | 4.0 | 8.0 | 11.0 | 162 | 4.0 | 4.0 | 7.5 | 10.0 | 159 | 4.0 | 3.0 | 8.0 | 11.0 |
| .051 | 139 | 10.0 | 9.0 | 8.5 | 12.5 | 139 | 8.0 | 6.0 | 8.0 | 12.8 | 139 | 4.0 | 6.0 | 9.0 | 13.0 |
| .160 | 122 | 11.0 | 15.0 | 8.8 | 14.0 | 123 | 8.0 | 10.0 | 8.5 | 13.5 | 121 | 7.0 | 6.0 | 8.0 | 12.5 |
| .495 | 101 | 12.0 | 18.0 | 8.5 | 13.3 | 101 | 10.0 | 11.0 | 8.0 | 12.5 | 102 | 9.0 | 7.0 | 8.0 | 12.8 |
| 2.5 | 59 | 18.1 | 11.6 | 7.0 | 10.3 | 69 | 12.0 | 12.0 | 6.0 | 9.5 | 73 | 8.0 | 6.0 | 6.0 | 9.5 |
| 5 | 52 | 14.0 | 10.0 | 6.3 | 10.0 | 63 | 7.0 | 8.0 | 5.0 | 7.5 | 63 | 7.0 | 6.0 | 5.0 | 8.0 |
| 10 | 45 | 6.0 | 6.0 | 5.0 | 7.5 | 51 | 6.0 | 5.5 | 3.5 | 6.0 | 49 | 8.0 | 6.7 | 5.0 | 7.3 |
| 20 | 29 | 6.3 | 4.0 | 4.0 | 6.0 | 29 | 6.0 | 4.0 | 3.0 | 5.0 | 25 | 2.0 | 2.0 | 2.0 | 4.0 |

$F_{om}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

OHIRA, JAPAN LAT. 35.6 N LONG. 140.5 E SUMMER (JUNE, JULY, AUGUST) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 158 | 4.0 | 2.0 | 11.5 | 16.5 | 156 | 4.0 | 4.0 | 11.8 | 17.0 | 156 | 4.0 | 4.0 | 13.5 | 19.0 |
| .051 | 134 | 5.0 | 4.0 | 11.0 | 16.5 | 123 | 11.5 | 7.5 | 11.0 | 17.5 | 123 | 10.0 | 5.0 | 15.0 | 21.5 |
| .160 | 114 | 6.0 | 5.0 | 9.0 | 15.0 | 96 | 20.0 | 12.0 | 10.5 | 16.0 | 94 | 20.0 | 10.0 | 11.0 | 15.0 |
| .495 | 92 | 8.0 | 7.0 | 8.8 | 15.0 | 68 | 25.1 | 9.0 | 5.0 | 7.5 | 65 | 28.8 | 5.0 | 4.0 | 6.5 |
| 2.5 | 65 | 6.0 | 7.0 | 7.8 | 12.0 | 50 | 15.0 | 11.0 | 10.0 | 13.5 | 40 | 8.3 | 4.0 | 7.0 | 9.5 |
| 5 | 58 | 4.0 | 6.0 | 7.5 | 11.0 | 50 | 8.0 | 12.0 | 8.8 | 13.0 | 38 | 8.0 | 5.0 | 10.5 | 13.5 |
| 10 | 42 | 6.0 | 4.0 | 5.5 | 8.0 | 40 | 4.0 | 8.0 | 5.0 | 7.5 | 36 | 7.3 | 6.0 | 4.8 | 7.5 |
| 20 | 24 | 4.0 | 0.0 | 2.0 | 3.5 | 24 | 2.5 | 2.0 | 2.5 | 4.0 | 24 | 4.0 | 2.0 | 3.3 | 4.5 |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 158 | 4.0 | 4.0 | 12.0 | 18.0 | 160 | 4.0 | 4.0 | 9.0 | 14.0 | 160 | 2.0 | 4.0 | 10.0 | 15.0 |
| .051 | 128 | 8.0 | 7.0 | 12.0 | 18.5 | 127 | 15.0 | 6.6 | 10.8 | 16.3 | 134 | 6.0 | 5.0 | 9.5 | 15.5 |
| .160 | 96 | 26.0 | 7.0 | 11.5 | 15.0 | 104 | 20.5 | 16.0 | 11.0 | 17.0 | 114 | 7.3 | 5.0 | 8.0 | 13.5 |
| .495 | 69 | 30.5 | 9.5 | 10.0 | 16.5 | 78 | 23.0 | 15.0 | 11.5 | 18.0 | 92 | 8.0 | 9.0 | 8.5 | 13.3 |
| 2.5 | 42 | 9.0 | 5.0 | 8.5 | 11.8 | 51 | 13.0 | 9.1 | 7.8 | 11.3 | 64 | 7.0 | 5.0 | 6.5 | 10.0 |
| 5 | 38 | 9.0 | 6.0 | 9.5 | 13.0 | 54 | 8.0 | 12.0 | 7.5 | 10.5 | 60 | 6.0 | 6.0 | 6.0 | 10.0 |
| 10 | 38 | 4.3 | 6.0 | 4.5 | 7.5 | 46 | 6.0 | 4.0 | 4.5 | 7.5 | 46 | 8.0 | 4.3 | 5.0 | 7.5 |
| 20 | 26 | 2.0 | 2.0 | 3.0 | 4.5 | 28 | 4.0 | 4.0 | 3.5 | 5.0 | 26 | 2.7 | 2.0 | 2.5 | 3.5 |

$F_{om}$ = median volue of effective ontenna naise in db obove ktb.

$D_u$ = ratia of upper decile to medion in db.

$D_\ell$ = ratia of medion ta lower decile in db.

$V_{dm}$ = median deviotion af average valtage in db below meon power.

$L_{dm}$ = median deviotian af average logarithm in db belaw meon power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

PRETORIA, S. AFR. LAT. 25.8 S LONG. 28.3 E WINTER (JUNE, JULY, AUGUST) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 156 | 5.0 | 3.0 | | | 155 | 6.0 | 4.0 | | | 151 | 8.0 | 4.0 | | |
| .051 | 127 | 8.0 | 7.0 | | | 123 | 10.0 | 7.0 | | | 116 | 12.0 | 7.0 | | |
| .160 | 104 | 10.8 | 7.0 | | | 96 | 14.0 | 14.0 | | | 88 | 9.9 | 10.0 | | |
| .495 | 93 | 8.0 | 10.0 | | | 80 | 15.5 | 17.0 | | | 67 | 5.0 | 6.0 | | |
| 2.5 | 67 | 8.0 | 6.0 | | | 63 | 10.2 | 12.2 | | | 51 | 4.0 | 6.0 | | |
| 5 | 59 | 9.0 | 8.0 | | | 57 | 11.0 | 10.0 | | | 45 | 11.0 | 10.7 | | |
| 10 | 32 | 3.0 | 3.0 | | | 31 | 6.0 | 2.1 | | | 31 | 7.6 | 4.0 | | |
| 20 | 24 | 3.0 | 3.0 | | | 23 | 3.1 | 3.0 | | | 25 | 2.0 | 4.0 | | |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{om}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 156 | 5.0 | 6.0 | | | 158 | 4.0 | 5.0 | | | 158 | 5.0 | 5.0 | | |
| .051 | 120 | 11.0 | 7.0 | | | 122 | 13.0 | 7.0 | | | 126 | 10.1 | 6.0 | | |
| .160 | 88 | 12.0 | 10.0 | | | 94 | 14.0 | 12.0 | | | 104 | 11.0 | 8.0 | | |
| .495 | 67 | 7.0 | 6.0 | | | 83 | 16.0 | 18.0 | | | 93 | 9.0 | 8.0 | | |
| 2.5 | 49 | 6.0 | 4.0 | | | 59 | 12.0 | 10.0 | | | 67 | 8.0 | 6.0 | | |
| 5 | 46 | 10.0 | 13.0 | | | 57 | 12.2 | 14.0 | | | 60 | 8.0 | 9.0 | | |
| 10 | 35 | 8.0 | 6.0 | | | 41 | 6.5 | 4.2 | | | 35 | 8.0 | 4.0 | | |
| 20 | 26 | 3.0 | 4.1 | | | 26 | 3.0 | 3.0 | | | 25 | 2.2 | 4.0 | | |

$F_{om}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

SAO JOSE, BRAZIL LAT. 23.3 S LONG. 45.8 W WINTER (JUNE, JULY, AUGUST) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .051 | 125 | 13.7 | 8.0 | 8.0 | 12.5 | 123 | 12.0 | 10.0 | 8.5 | 14.0 | 117 | 13.7 | 11.7 | 4.5 | 6.5 |
| .113 | 110 | 14.0 | 8.0 | 6.5 | 10.5 | 102 | 16.3 | 12.0 | 8.5 | 13.0 | 96 | 12.0 | 10.0 | 6.5 | 9.5 |
| .246 | 98 | 12.0 | 8.0 | 6.5 | 11.5 | 86 | 16.8 | 12.0 | 7.0 | 11.5 | 79 | 7.0 | 5.0 | 7.5 | 10.0 |
| .545 | 85 | 10.0 | 6.0 | 5.0 | 8.5 | 87 | 6.0 | 7.0 | 5.0 | 10.0 | 89 | 4.0 | 6.3 | 5.0 | 11.0 |
| 2.5 | 60 | 13.6 | 8.0 | 5.0 | 9.0 | 55 | 15.0 | 9.9 | 5.0 | 8.5 | 39 | 11.0 | 8.0 | 5.0 | 8.0 |
| 5 | 51 | 23.2 | 8.0 | 4.5 | 8.0 | 53 | 20.0 | 14.0 | 4.5 | 8.0 | 55 | 11.0 | 12.0 | 6.0 | 10.5 |
| 10 | 34 | 8.2 | 5.0 | 3.0 | 5.0 | 31 | 7.1 | 3.0 | 3.3 | 4.8 | 33 | 11.0 | 6.0 | 5.5 | 8.5 |
| 20 | 23 | 2.4 | 1.0 | 2.0 | 3.5 | 22 | 3.0 | 1.0 | 2.0 | 3.5 | 23 | 4.0 | 2.0 | 3.0 | 5.0 |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .051 | 119 | 12.0 | 10.0 | 5.8 | 9.8 | 123 | 10.0 | 12.0 | 7.5 | 11.8 | 125 | 12.0 | 10.0 | 8.0 | 13.0 |
| .113 | 96 | 12.0 | 10.0 | 7.5 | 11.5 | 102 | 16.0 | 12.0 | 8.0 | 12.5 | 110 | 14.0 | 10.0 | 7.5 | 11.8 |
| .246 | 78 | 10.0 | 4.0 | 7.5 | 10.5 | 86 | 15.0 | 10.0 | 8.0 | 12.5 | 96 | 13.0 | 8.0 | 6.5 | 11.0 |
| .545 | 88 | 4.0 | 7.0 | 5.0 | 10.0 | 86 | 5.0 | 7.0 | 5.5 | 9.5 | 87 | 7.0 | 5.0 | 5.0 | 9.0 |
| 2.5 | 36 | 8.0 | 6.0 | 5.0 | 7.0 | 52 | 15.3 | 14.0 | 5.5 | 9.3 | 60 | 12.0 | 10.0 | 5.0 | 7.5 |
| 5 | 51 | 9.0 | 10.0 | 6.8 | 11.5 | 65 | 13.0 | 12.0 | 6.0 | 10.0 | 67 | 13.0 | 14.1 | 5.5 | 8.5 |
| 10 | 36 | 8.0 | 8.0 | 6.0 | 8.5 | 44 | 10.0 | 10.0 | 3.3 | 5.5 | 38 | 10.0 | 7.2 | 3.5 | 5.0 |
| 20 | 24 | 9.9 | 2.0 | 2.5 | 4.5 | 25 | 9.0 | 3.0 | 3.0 | 5.0 | 23 | 6.0 | 1.0 | 2.0 | 3.5 |

$F_{am}$ = median value of effective antenna noise in db abave ktb.

$D_u$ = ratio af upper decile ta median in db.

$D_\ell$ = ratia af median ta lawer decile in db.

$V_{dm}$ = median deviatian af average valtage in db belaw mean pawer.

$L_{dm}$ = median deviatian af average logarithm in db belaw mean pawer.

# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

WARRENSBURG, MO. LAT. 38.7 N LONG. 93.8 W SUMMER (JUNE, JULY, AUGUST) 1964

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0000-0400 | | | | | 0400-0800 | | | | | 0800-1200 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 166 | 6.6 | 5.0 | | | 164 | 8.0 | 6.0 | | | 163 | 5.9 | 5.0 | | |
| .051 | 145 | 10.0 | 5.0 | | | 142 | 11.0 | 8.0 | | | 137 | 12.0 | 4.0 | | |
| .160 | 123 | 12.0 | 8.0 | | | 119 | 16.0 | 22.0 | | | 113 | 18.0 | 16.5 | | |
| .495 | 104 | 10.0 | 10.0 | | | 95 | 21.0 | 21.0 | | | 86 | 21.5 | 16.5 | | |
| 2.5 | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | |

| FREQ. (Mc) | TIME BLOCKS (LST) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1200-1600 | | | | | 1600-2000 | | | | | 2000-2400 | | | | |
| | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ | $F_{am}$ | $D_u$ | $D_\ell$ | $V_{dm}$ | $L_{dm}$ |
| .013 | 168 | 4.0 | 5.0 | | | 168 | 4.8 | 4.0 | | | 167 | 7.0 | 5.0 | | |
| .051 | 143 | 7.1 | 6.0 | | | 145 | 8.0 | 7.0 | | | 145 | 10.0 | 6.0 | | |
| .160 | 119 | 12.0 | 15.9 | | | 123 | 12.0 | 15.1 | | | 125 | 12.0 | 10.0 | | |
| .495 | 91 | 19.2 | 19.0 | | | 98 | 15.5 | 21.5 | | | 103 | 11.0 | 9.0 | | |
| 2.5 | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | |

$F_{am}$ = median value of effective antenna noise in db above ktb.

$D_u$ = ratio of upper decile to median in db.

$D_\ell$ = ratio of median to lower decile in db.

$V_{dm}$ = median deviation of average voltage in db below mean power.

$L_{dm}$ = median deviation of average logarithm in db below mean power.

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